Empowered by Innovation NEC

NEC DISPLAY SOLUTIONS

PRODUCT OVERVIEW 2014

DESKTOP DISPLAYS | LARGE FORMAT DISPLAYS | PROJECTORS | SOFTWARE

ECO INNOVATION

REFERENCE

NEW IN THIS EDITION

Desktop Displays

Large Format Displays

Projectors

NEC DISPLAY SOLUTIONS

PERFORMANCE YOU CAN TRUST

NEC stands for product quality and design perfection with a reputation for reliability and an enviable pan-European support infrastructure to back it up. Installing an NEC display means you can trust in our equipment and our company culture.

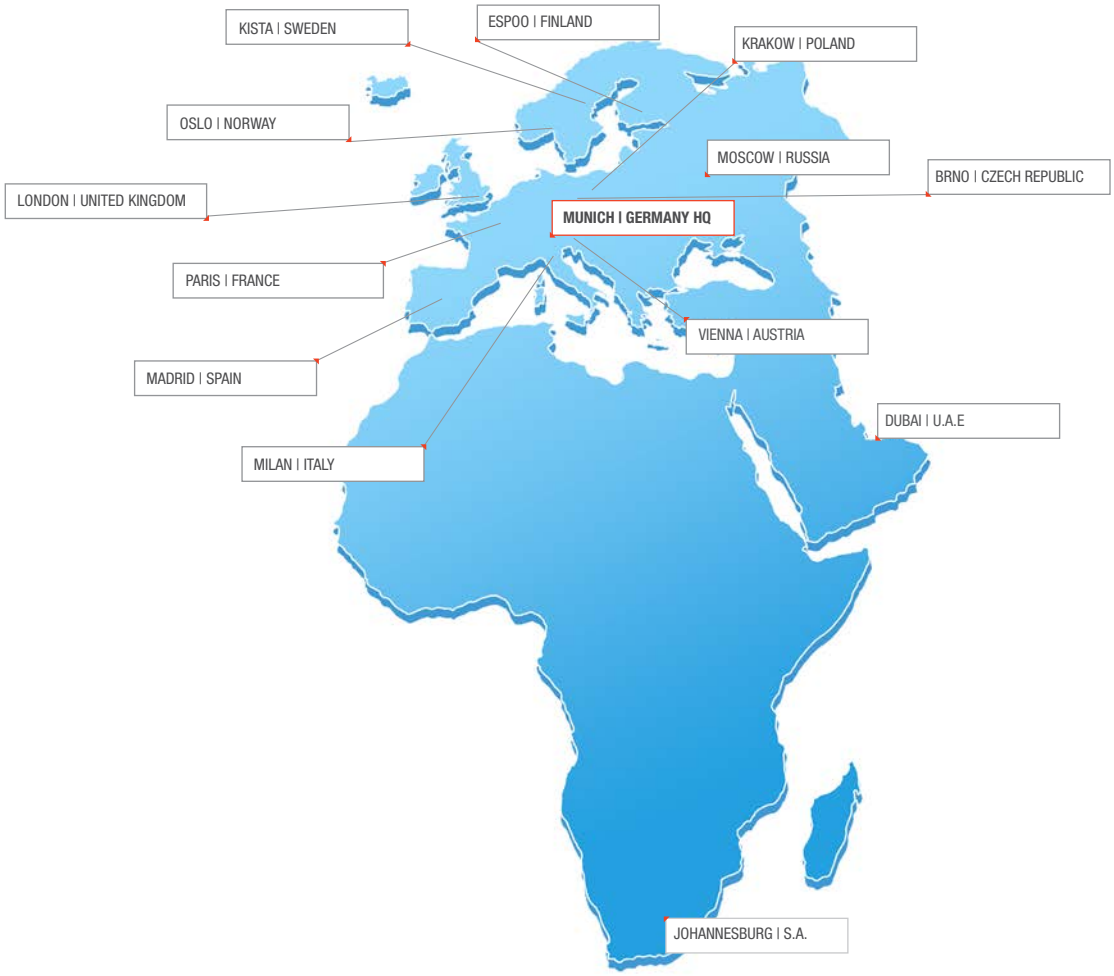
Designed for long term operation, NEC displays and projectors incorporate innovative designs, high quality panels and components and go through demanding quality assurance levels; displays ready for the most demanding mission critical applications, out of the box.

THE WIDEST PORTFOLIO OF DISPLAY SOLUTIONS OF ANY SUPPLIER

Today NEC boasts a comprehensive range of Desktop Displays, Large Format Displays and Projectors, with a model for almost any application from the largest venues or public places to offices and smaller classrooms.

NEC is one of the world's largest IT Companies, with the display division operating 14 local sales and support offices across Europe, Middle East and Africa.

NEC EMEA LOCATIONS



Empowered by Innovation

NEC

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DESKTOP DISPLAYS

EA294WMi - Portrait Orientation

With the widest range of Display Solutions on the market, NEC have a Desktop Display for almost any requirement. From mission critical, such as Finance, Medical or Publishing to Ecological or Commercial applications and all are backed by our three year manufacturer warranty.

3 YEARS WARRANTY

ECO INNOVATION

NEW RELEASES

E171M	17" specialist display, 5:4 format, 1,280 x 1,024
E232WMT	23" IPS LED display, 1,920 x 1,080, 10 point multi-touch
EA244UHD	24" Ultra HD display with IPS LED Backlight, 3,840 x 2,160

COMMERCIAL ENTRY LEVEL	
AS SERIES	Ideal for entry-level, corporate and demanding consumer.
5 SERIES	
COMMERCIAL ENTERPRISE	
E SERIES	Perfectly suited for standard office applications at Corporate and Government Offices.
EA SERIES	Performance-oriented product series ideal for corporate and SMB users.
EX SERIES	Ideal for corporates that demand style and future proof technology and excellent picture quality.
PROFESSIONAL	
P SERIES	The ideal display for professional design, CAD-CAM, finance, demanding office and industrial applications.
PA SERIES	The Reference Professional desktop monitor for Creative Professionals, Semi-Medical, Precision Engineering and Demanding Corporate Office applications.
COLOUR	
SV SERIES	The perfect choice for creative professionals.
MEDICAL	
MD SERIES	DICOM prioritisation. Primary Diagnostics and meeting MDD-CE regulations, with complete QA Conformance

For more detailed information please visit: **www.nec-display-solutions.com**

	AS222WM	AS241W
Order Code	60003496 (BK)	60003295 (BK)
Panel Technology	TN / W-LED	TN / W-LED
Screen Size [inch / cm]	21.5 / 54.62	23.55 / 59.81
Aspect Ratio	16:9	16:9
Brightness (typ.) [cd/m²]	250	300
Contrast (typ.)	1000:1	1000:1
Viewing Angle Hor / Vert [°]	170 / 160	170 / 160
Response Time (typ. G to G) [ms]	5	5
Colours [Mio.]	16.77	16.77
Resolution at 60 Hz	1,920 x 1,080	1,920 x 1,080
Connectors	DVI-D, VGA	DVI-D, VGA
Power Use Max / ECO [W]	27 / 13	23 / 9
Power Saving Mode [W]	0.35	0.45
Internal Power Supply	●	●
Height Adjustable Stand [mm]	-	-
Other Ergonomics	Tilt	Tilt
Bezel Width T - B / L - R [mm]	15.8 / 14.7	19.0 / 19.0
Dimensions with stand (W x H x D)	507.4 x 364.7 x 205.1	566.0 x 395.1 x 190.0
Weight with stand [kg]	4.1	4.3
EPEAT™	Silver	Silver
TCO	6.0	5.0
NaViSet	●	●

AS SERIES

HIGH RESOLUTION
WIDE FORMAT
VALUE RANGE

22” W | 24” W

E SERIES

ECOLOGICAL
HIGH RESOLUTION
WIDE FORMAT
DISPLAYPORT
ERGONOMICS

17” W |20” W | 22” W | 23” W

EA SERIES

ECOLOGICAL
SUPERIOR IMAGE
HIGH RESOLUTION
WIDE FORMAT
DISPLAYPORT
ERGONOMICS

19” | 22” W | 23” W | 24” W
27” W | 29” W

	E171M	E201W	E223W	E224Wi	E231W	E232WMT	E243WMi
Order Code	60003582 (BK) 60003581 (WH)	60002820 (BK) 60002818 (WH)	60003334 (BK) 60003335 (WH)	60003584 (BK) 60003583 (WH)	60002932 (BK) 60002933 (WH)	60003680 (BK)	60003681 (BK) 60003682 (WH)
Panel Technology	TN / W-LED	TN / W-LED	TN / W-LED	IPS with W-LED	TN / W-LED	IPS with W-LED	IPS with W-LED
Screen Size [inch / cm]	17.0 / 43.3	20.0 / 50.8	22.0 / 55.9	21.5 / 54.6	23.0 / 58.42	23.0 / 58.4	23.8 / 60.47
Aspect Ratio	5:4	16:9	16:10	16:9	16:9	16:9	16:9
Brightness (typ.) [cd/m²]	250	250	250	250	250	250	250
Contrast (typ.)	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1
Viewing Angle Hor / Vert [°]	170 / 160	170 / 160	170 / 160	178 / 178	170 / 160	170 / 170	178 / 178
Response Time (typ. G to G) [ms]	5	5	5	6	5	5	6
Colours [Mio.]	16.7	16.77	16.77	16.77	16.77	16.77	16.77
Resolution at 60 Hz	1,280 x 1,024	1,600 x 900	1,680 x 1,050	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Connectors	DVI-D, VGA	DisplayPort, DVI-D, VGA	DisplayPort, DVI-D, VGA	DisplayPort, DVI-D, VGA	DisplayPort, DVI-D, VGA	HDMI, DVI-D, VGA	DisplayPort, DVI-D, VGA
Power Use Max / ECO [W]	19 / 9	25 / 12	24 / 12	25 / 16	28 / 16	52 / 20	26 / 13
Power Saving Mode [W]	0.15	0.42	0.35	0.4	0.34	0.8	0.4
Internal Power Supply	●	●	●	●	●	●	●
Height Adjustable Stand [mm]	50	110	110	110	110	54	110
Other Ergonomics	Tilt	Tilt, Swivel, Rotate	Tilt, Swivel, Rotate	Tilt, Swivel, Rotate	Tilt, Swivel, Rotate	Tilt, Swivel, Flat, 10-Point Touch	Tilt, Swivel, Rotate
Bezel Width T - B / L - R [mm]	17.5 / 14.2	16.0 / 18.5	15.8 / 13.9	15.8 / 14.7	19.2 / 19.2	–	16.8 / 14.7
Dimensions with stand (W x H x D) [mm]	368 x 358.5 x 230	477.0 x 359.3 x 213.9	503.5 x 383.3 x 213.9	507.8 x 364.5 x 213.9	550.1 x 381.1 x 213.9	561 x 362.8 x 249.7	557.8 x 379.6 x 213.9
Weight with stand [kg]	4.2	5.4	4.9	5.9	6.2	7.6	6.3
EPEAT™	Silver	Gold / Silver	Silver	Silver	Gold	Gold	Silver
TCO	6.0	5.0	6.0	6.0	5.0	6.0	6.0

	EA193Mi	EA223WM	EA224WMi	EA234WMi	EA244UHD
Order Code	60003586 (BK) 60003585 (WH	60003294 (BK) 60003293 (WH)	60003336 (BK) 60003337 (WH)	60003588 (BK) 60003587 (WH)	60003683 (BK) 60003684 (WH)
Panel Technology	IPS / W-LED	TN / W-LED	IPS / W-LED	IPS / W-LED	IPS / W-LED
Screen Size [inch / cm]	19.0 / 48.2	22.0 / 55.9	21.5 / 54.62	23.0 / 58.42	23.8 / 60.5
Aspect Ratio	5:4	16:10	16:9	16:9	16:9
Brightness (typ.) [cd/m²]	250	250	250	250	350
Contrast (typ.)	1000:1	1000:1	1000:1	1000:1	1000:1
Viewing Angle Hor / Vert [°]	178 / 178	170 / 160	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	6	5	6	6	5
Colours [Mio.]	16.77	16.77	16.77	16.77	1073
Resolution at 60 Hz	1,280 x 1,024	1,680 x 1,050	1,920 x 1,080	1,920 x 1,080	3,840 x 2,160
Connectors	DisplayPort, DVI-D, VGA	DisplayPort, DVI-D, USB, VGA	DisplayPort, DVI-D, USB, HDMI, VGA	DVI-D, HDMI, USB, DisplayPort, VGA	2x DVI-D (Single Link with HDCP); 2x DisplayPort; 2x HDMI, USB 3.0
Power Use Max / ECO [W]	18 / 10	25 / 12	26 / 15	27 / 16	79 / 41
Power Saving Mode [W]	0.35	0.4	0.43	0.41	0.33
Internal Power Supply	●	●	●	●	●
Height Adjustable Stand [mm]	110	130	130	130	130
Other Ergonomics	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate
Bezel Width T - B / L - R [mm]	16.5 / 14.9	15.8 / 13.9	15.8 / 14.7	16.4 / 16.0	18.1 / 14.8
Dimensions with stand (W x H x D)	408.0 x 386.4 x 213.9	503.5 x 384.0 x 218.0	507.4 x 370.2 x 218.0	543.8 x 380.4 x 218.0	558.2 x 386.7 x 218.0
Weight with stand [kg]	5.9	5.6	6.0	6.4	7
EPEAT™	Silver	Silver	Gold	Gold	Gold
TCO	6.0	5.2	6.0	6.0	6.0
NaViSet	●	●	●	●	●

EA294WMi, the power of two displays in one.

This super wide 2560 x 1080 pixel display consumes 29% less power than dual 19 inch monitors with similar LCD panel technology. At the forefront of environmental design and social responsibility the EA294WMi also offers best in class image quality from wider viewing angles with its supersized IPS panel.

	EA244WMi	EA273WMi	EA274WMi	EA294WMi	EA304WMi	EX231W
Order Code	60003414 (BK) 60003409 (WH)	60003608 (BK) 60003607 (WH)	60003493 (BK) 60003492 (WH)	60003417 (BK) 60003415 (WH)	tbd	60002936 (BK) 60002937 (WH)
Panel Technology	IPS / W-LED	IPS / W-LED	IPS / W-LED	IPS / W-LED	IPS/W-LED	TN / W-LED
Screen Size [inch / cm]	24.1 / 61.13	27.0 / 68.6	27.0 / 68.5	29.0 / 73.2	29.8 / 75.62	23.0 / 58.42
Aspect Ratio	16:10	16:9	16:9	21:9	16:10	16:9
Brightness (typ.) [cd/m²]	350	250	350	300	350	250
Contrast (typ.)	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1
Viewing Angle Hor / Vert [°]	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	176 / 170
Response Time (typ. G to G) [ms]	6	6	6	6	6	5
Colours [Mio.]	16.77	16.77	16.77	16.77	1073	16.77
Resolution at 60 Hz	1,920 x 1,200	1,920 x 1,080	2,560 x 1,440	2,560 x 1,080	2560 x 1600	1920 x 1080
Connectors	DVI-D, HDMI, USB, DisplayPort, VGA	DVI-D, HDMI, USB, DisplayPort, VGA	HDMI, USB, DisplayPort, VGA	2 x DVI-D, HDMI/ MHL, USB, Display-Port, 2 x VGA	D-sub, DVI-D, DisplayPort, HDMI	DisplayPort, DVI-I
Power Use Max / ECO [W]	29 / 16	31 / 16	57 / 35	50 / 28	63 / 48	28 / 16
Power Saving Mode [W]	0.47	0.48	0.8	0.8	0.7	0.34
Internal Power Supply	●	●	●	●	●	-
Height Adjustable Stand [mm]	130	130	130	130	130	110
Other Ergonomics	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate
Bezel Width T - B / L - R [mm]	16.8 / 17.9	19.6 / 19.6	19.6 / 19.6	18.0 / 15.5	21.9 / 21.8	14.6 / 14.2
Dimensions with stand (W x H x D)	556.2 x 408.9 x 230	639.3 x 417.9 x 230	639.2 x 417.9 x 230	705.8 x 410.4 x 230	686.9 x 472.8 x 230	540.2 x 401.3 x 215
Weight with stand [kg]	7.5	8.7	8.7	9.6	14	4.2
EPEAT™	Gold	Gold	Gold	Gold	Gold	Gold
TCO	6.0	6.0	6.0	6.0	6.0	5.0
NaViSet	●	●	●	●	●	●

EA SERIES

UP TO 4K UHD RESOLUTION

19" | 22"W | 23"W | 24"W | 24"UHD | 27"W | 29"W

	P232W	P242W	PA242W	PA272W	PA302W
Order Code	60003324 (BK); 60003323 (WH)	60003419 (BK); 60003418 (WH)	60003490 (BK); 60003491 (WH)	60003489 (BK)	60003488 (BK)
Panel Technology	IPS / LED	IPS / LED	AH-IPS / GB-R LED Backlight	AH-IPS / GB-R LED Backlight	AH-IPS / GB-R LED Backlight
Screen Size [inch / cm]	23.0 / 58.4	24.1 / 61.1	24.1 / 61.1	27.0 / 68.5	29.8 / 75.6
Aspect Ratio	16:9	16:10	16:10	16:9	16:10
Colour Gamut AdobeRGB / NTSC [%]	76 / 72	75 / 72	109 / 99	109 / 99	109 / 99
Brightness (typ.) [cd/m²]	250	350	340	340	340
Contrast (typ.)	1000:1	1000:1	1000:1	1000:1	1000:1
Viewing Angle Hor / Vert [°]	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	8	8	8	7	7
Colours [Mio.]	16.77	16.77	1073	1073	1073
Resolution at 60 Hz	1,920 x 1,080	1,920 x 1,200	1,920 x 1,200	2,560 x 1,440	2,560 x 1,600
Connectors	DisplayPort, DVI-D, USB, VGA, HDMI	DisplayPort, DVI-D , USB, VGA, HDMI	DisplayPort, DVI-D , USB, VGA, HDMI	DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI	DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI
Power Use Max / ECO [W]	29 / 18	30 / 17	56 / 28	73 / 37	87 / 47
Power Saving Mode [W]	1	1	2	1.4	1.4
Internal Power Supply	●	●	●	●	●
Height Adjustable Stand [mm]	150	150	150	150	150
Other Ergonomics	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate
Bezel Width T - B / L - R [mm]	17.0 / 16.2	18.2 / 18.2	18.2 / 18.2	20.0 / 20.3	22.0 / 22.4
Dimensions with stand (W x H x D)	543.6 x 337.4 x 227.6	556.8 x 378.0 x 227.6	556.8 x 378.0 x 227.6	640.4 x 396.2 x 235.5	688.0 x 466.4 x 301.6
Weight with stand [kg]	9.2	10.2	10.6	12.9	17.0
TCO	5.2	6.0	6.0	-	-
NaViSet Administrator 2	●	●	●	●	●
MultiProfiler Software	-	-	●	-	-

PA SERIES

For Businesses that demand the Highest Performance 10-Bit AH-IPS Panel with Image Unifomity, GB-R LED Backlighting, Next Generation Input Options.

P SERIES

SUPERIOR PANELS
HIGH RESOLUTION
ADVANCED CONNECTIVITY
DISPLAYPORT
ERGONOMICS

23” W | 24” W

NEC offers a wide-range of healthcare solutions that can help establishments improve performance and diagnostic accuracy and streamline care delivery through sophisticated point-of-care communications systems.

MD SERIES

The NEC MD Series of high end diagnostic displays ensure the highest level of image quality due to the very high brightness, uniformity, contrast and full DICOM Part 14 compliance.

MD211G3	21", 3MP, Grayscale	Medical Diagnostic
MD211G5	21", 5MP, Grayscale	Mammography
MD210C2	21", 2MP, Colour	Medical Diagnostic
MD211C2	21", 2MP, Colour	Medical Diagnostic
MD211C3	21", 3MP, Colour	Medical Diagnostic
MD242C2	24". 2MP, Colour	Medical Diagnostic
MD302C4	30" Wide, 4MP, Colour	Medical Diagnostic
MD302C6	30" Wide, 6MP, Colour	Medical Diagnostic

MDVIEW

The NEC MDview Series are DICOM Preset colour displays which have been designed with both reliable quality and affordability in mind. Unique built-in firmware features (which you will not find in off-the-shelf or system-bundled LCDs) make MDview displays, which can be calibrated to the DICOM Grayscale Display Function using NEC's GammaCompMD QA software, ideal for all hospital-wide PACS referral/reviewing.

MDview 202	20", 2MP, Colour	Medical Review
MDview 213	21", 2MP, Colour	Medical Review
MDview 232	23" Wide, 2.1MP, Colour	Medical Review
MDview 243	24" Wide, 2.3MP, Colour	Medical Review
MDview 272	27" Wide, 3.7MP, Colour	Medical Review

MD462OR

Of particular note is the new MD462OR, a large format operating room display with DICOM calibration, optional integrated single-board computer and full CEMDD compliance, bringing a much-needed digital display enhancement to the operating room.

MD462OR	46" Large Format LCD	Operating Room

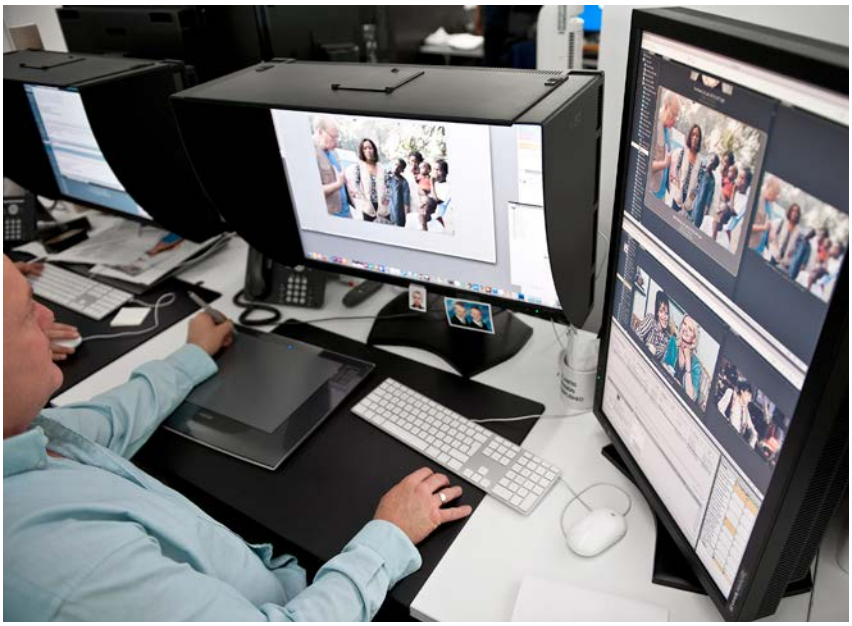
For more detailed information please visit: **www.medical.nec-display-solutions.com**

COLOUR CRITICAL DISPLAYS SpectraView®

The perfect choice for creative professionals. SpectraView® LCDs with the latest AH-IPS panel technology are hand-picked to meet the highest standards for professional applications.

Brilliant picture quality for accurate colour reproduction, precise calibration options with SpectraView® Profiler 5.0 software, Picture in Picture, Integrated USB hub, Backlight Ageing Correction, Wide Colour Gamut, 3D LUT Colour Space Emulation, integrated gamma correction and optimum ergonomics thanks to 150 mm height adjustment.

For more detailed information please visit:
www.spectraview.nec-display-solutions.com



	SV232	SV242	SV272	SV Ref242	SV Ref272	SV Ref302
Order Code	60003161	60003544	60003546	60003543	60003545	60003547
Panel Technology	IPS / W-LED	AH-IPS / G-BR LED	AH-IPS / G-BR LED	AH-IPS / G-BR LED	AH-IPS / G-BR LED	AH-IPS / G-BR LED
Screen Size [inch / cm]	23.0 / 58.4	24.1 / 61.1	27.0 / 68.5	24.1 / 61.1	27.0 / 68.5	29.8 / 75.6
Aspect Ratio	16:9	16:10	16:9	16:10	16:9	16:10
Colour Gamut AdobeRGB / NTSC [%]	76 / 72	109 / 99	109 / 99	109 / 99	109 / 99	109 / 99
Brightness (typ.) [cd/m²]	250	340	340	340	340	340
Contrast (typ.)	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1
Hardware Calibration / Look Up Table	42-bit Colour / 14-bit	42-bit Colour / 14-bit	42-bit Colour / 14-bit	42-bit Colour / 14-bit	42-bit Colour / 14-bit	42-bit Colour / 14-bit
Response Time (typ. G to G) [ms]	8	8	8	8	7	7
Colours [Mio.]	16.77	1073	1073	1073	1073	1073
Resolution at 60 Hz	1,920 x 1,080	1,920 x 1,200	2,560 x 1,440	1,920 x 1,200	2,560 x 1,440	2,560 x 1,600
Connectors	DisplayPort, DVI-D, HDMI, VGA, USB	DisplayPort, DVI-D, HDMI, VGA, USB	DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI	DisplayPort, DVI-D, HDMI, VGA, USB	DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI	DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI
Power Use Normal / ECO [W]	29 / 18	56 / 28	73 / 37	56 / 28	73 / 37	87 / 47
Power Saving Mode [W]	1	2	1.4	2	1.4	1.4
Internal Power Supply	●	●	●	●	●	●
Height Adjustable Stand [mm]	150	150	150	150	150	150
Other Ergonomics	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate
Bezel Width T - B / L - R [mm]	17.0 / 16.2	18.2 / 18.2	20.0 / 20.3	18.2 / 18.2	20.0 / 20.3	22.0 / 22.4
Dimensions with stand (W x H x D)	543.6 x 338.0 x 227.6	556.8 x 378.0 x 227.6	640.4 x 396.2 x 235.5	556.8 x 378.0 x 227.6	640.4 x 396.2 x 235.5	688 x 466.4 x 301.6
Weight with stand [kg]	9.2	10.6	12.9	10.6	12.9	18.0
TCO	●	-	-	-	-	-
NaViSet Administrator 2	●	●	●	●	●	●
SpectraView Profiler Software	●	●	●	●	●	●

ALL SV REFERENCE DISPLAYS INCLUDE A HOOD, PERFECT PIXEL WARRANTY, UNIFORMITY CERTIFICATION AND WELCOME KIT

GB LED

REFERENCE

0* PIXEL DEFECT
*SV Reference Models Only

3 YEARS WARRANTY

5 YEARS WARRANTY
*SV Reference Models Only

LARGE FORMAT DISPLAYS

5 x 5 Videowall, 55” XUN

As a world leading name in Digital Signage, NEC displays are installed in some of the most challenging and highly visited locations and venues across the world. From 24/7 LED Backlit Displays for Performance Critical Applications to High Performance Value Ranges and Reference Options, NEC lead the market for Signage Solutions you can Trust.

NEW RELEASES

NEW SINGLE TOUCH DISPLAYS	P Series now available with DST, 1,920 x 1,080, LED Backlight
X UN SERIES	46” and 55” ultra-thin bezel displays, ideal for videowalls, resolution 1,920 x 1,080

ENTRY LEVEL	
E SERIES	Ideal for cost efficient retail signage, conferencing and corporate installations up to 12/7 operation time.
VALUE	
V SERIES	Ideal retail signage, conferencing applications and lobby or reception installations up to 16/7 operation time.
PROFESSIONAL 24/7 REFERENCE	
P SERIES	Designed for a wide array of applications such as retail signage including 24/7, transport applications, control room applications and conference rooms.
SPECIALIST 24/7 REFERENCE	
X SERIES	Ideal for a wide array of applications such as retail signage including 24/7, transport applications, conference rooms, lobby/reception installations and integration in totems and furniture.

For more detailed information please visit: **www.nec-display-solutions.com**

	E324	E424	E464	E554	E654
Order Code	60003483	60003484	60003485	60003486	60003487
Panel Technology	VA Edge-LED	VA Edge-LED	VA Edge-LED	VA Edge-LED	VA Direct LED
Screen Size [inch / cm]	32 / 82	42 / 107	46 / 117	55 / 140	65 / 165
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
Brightness (max.) [cd/m2]	350	350	350	350	350
Contrast (typ.)	3.000:1	3.000:1	3.000:1	4.000:1	4.000:1
Viewing Angle horizontal / vertical [°]	176 / 176	176 / 176	176 / 176	176 / 176	176 / 176
Response Time (typ. G to G) [ms]	6.5	6.5	6.5	6.5	6.5
Native Resolution (at 60 Hz)	1,366 x 768	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Special Connectors	HDMI, VGA, Component, Composite	HDMI, VGA, Component, Composite	HDMI, VGA, Component, Composite	HDMI, VGA, Component, Composite	HDMI, VGA, Component, Composite
Power Consumption (max.) [W]	45	86	100	122	260
Power Savings Mode [W]	<1	<1	<1	<1	<1
Dimensions (W x H x D) [mm]	725 x 442 x 62 (37)	957 x 573 x 62 (37)	1,046 x 623 x 63 (37)	1,241 x 735 x 64 (39)	1,467 x 872 x 100 (72)
Weight [kg]	6.7	11.7	13.8	20	30
Bezel Width B /T - L - R [mm]	32.4 / 9.9	32.4 / 9.9	32.4 / 9.9	35.9 / 11.9	47.7 / 18.9
Integrated Speakers	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W
Energy Star	6.0	6.0	6.0	6.0	-

E SERIES

ENTRY GRADE
AFFORDABLE QUALITY
THIN BEZEL, HDMI, VGA

32" I 42" I 46" I 55" I 65"

	V323	V423	V463	V552	V652	V801
Order Code	60003630	60003397	60003394	60003396	60003395	60003482
Panel Technology	S-IPS / Edge LED	S-IPS / Edge LED	AMVA3 / Edge LED	AMVA3 / Edge LED	AMVA3 / Edge LED	UV2A Edge LED
Screen Size [inch / cm]	31.5 / 80	42 / 106.68	46 / 117	54.5 / 138.8	64.5 / 163.9	80 / 203.2
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9
Pixel Pitch [mm]	0.511	0.485	0.530	0.630	0.744	0.9225
Brightness (max.) [cd/m2]	450	450	500	450	450	460
Contrast (typ.)	1300:1	1300:1	4000:1	4000:1	4000:1	5000:1
Viewing Angle Hor / Ver [°]	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	176 / 176
Response Time (typ. G to G) [ms]	8*	12	6.5	6.5	8	6
Native Resolution (at 60 Hz)	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Special Connectors	DVI-D In/Out, HDMI, DisplayPort, VGA	DVI-D In/Out, HDMI, DisplayPort, VGA	DVI-D In/Out, HDMI, DisplayPort, VGA	DVI-D In/Out, HDMI, DisplayPort, VGA	DVI-D In/Out, HDMI, DisplayPort, VGA	DVI-D In/Out, HDMI, DisplayPort, VGA
Slot-In Option	OPS	OPS	OPS	OPS	OPS	OPS
Power Use Normal [W]	50	88	76	100	185	230
Power Consumption (max.) [W]	155	220	205	235	360	420
Power Savings Mode [W]	0.5	<1	<1	<1	<1	<1
Dimensions (W x H x D) [mm]	786.8 x 476.2 x 93.5	972.5 x 565.4 x 68.3	1,058.2 x 612.8 x 65.1	1,249.7 x 720.5 x 63.5	1,540.4 x 909.2 x 88.3	1,836.2 x 1,061.3 x 86.2
Weight [kg]	13.0	16.8	18.9	26.5	52.0	60
Bezel Width T - B / L - R [mm]	40.3 / 43.2	18.3 / 18.3	18.3 / 18.3	18.3 / 18.3	50.5 / 53.5	29.7 / 29.7
Integrated Speakers	2 x 8 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W
Energy Star	-	-	-	-	-	-
DisplayNote	•	•	•	•	•	•
NaViSet Administrator 2	•	•	•	•	•	•
NEC Field Analyst	•	•	•	•	•	•

3 YEARS WARRANTY

V SERIES

COMMERCIAL GRADE
AFFORDABLE QUALITY
DISPLAYPORT, HDMI
FULL HD MODELS

32" | 42" | 46" | 55" | 65" | 80"

* With overdrive

	P403	P463	P553	P703	P801
Order Code	60003477	60003478	60003479	60003480	60003481
Panel Technology	S-PVA with Edge LED backlights	S-PVA with Edge LED backlights	S-PVA with Edge LED backlights	UV² A with Edge LED backlight	UV² A with Edge LED backlight
Screen Size [inch / cm]	40 / 102	46 / 117	55 / 139	70 / 178	80 / 203
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
Pixel Pitch [mm]	0.46125	0.53025	0.63	0.802	0.9225
Brightness (max.) [cd/m2]	700	700	700	700	700
Contrast (typ.)	4000:1	4000:1	4000:1	5000:1	5000:1
Viewing Angle Hor / Ver [°]	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	8	8	8	8	4
Native Resolution (at 60 Hz)	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Special Connectors	DVI-D, HDMI, DisplayPort In/Out, 2x LAN	DVI-D, HDMI, DisplayPort In/Out, 2x LAN	DVI-D, HDMI, DisplayPort In/Out, 2x LAN	DVI-D, HDMI, DisplayPort In/Out, 2x LAN	DVI-D, HDMI, DisplayPort In/Out, 2x LAN
Slot-In Option	OPS, Interface Extension Slot	OPS, Interface Extension Slot	OPS, Interface Extension Slot	OPS, Interface Extension Slot	OPS, Interface Extension Slot
Power Use Normal [W]	105	120	150	150	235
Power Consumption (max.) [W]	245	280	315	320	430
Power Savings Mode [W]	< 1	< 1	< 1	< 1	< 1
Dimensions (W x H x D) [mm]	920.6 x 532.2 x 66.5	1,055.4 x 608.6 x 64.5	1,250.2 x 721 x 64.5	1,587 x 919.6 x 86.9	1,836.2 x 1,061.3 x 86.9
Weight [kg]	17.0	21.4	25.3	47.0	61.5
Bezel Width T - B / L - R [mm]	15.5	16.5	18.5	23.0	29.7
Integrated Speakers	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W
DisplayNote	•	•	•	•	•
NaViSet Administrator 2	•	•	•	•	•
NEC Hiperwall	•	•	•	•	•
NEC Field Analyst	•	•	•	•	•
Energy Star	6.0	6.0	6.0	-	-

P SERIES

24/ 7 REFERENCE PERFORMANCE
THIN BEZEL, FULL HD
OPTIONAL HUMAN SENSOR
NFC CHIP INTEGRATED
ADVANCED HEAT MANAGEMENT
DISPLAYPORT, HDMI

40” | 46” | 55” | 70” | 80”

XUN SERIES

VALUE AND REFERENCE MODELS
24/7 TRUSTED PERFORMANCE
DIRECT LED BACKLIGHTING
DISPLAYPORT, HDMI
ADVANCED HEAT MANAGEMENT
NEC FRAMECOMP TECHNOLOGY

46” | 55”

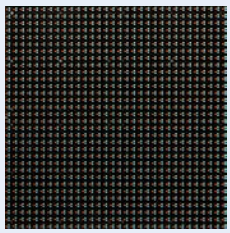
	X464UNV	X464UN	X554UN	X554UNS	X401S	X462S	X552S
Order Code	60003671	60003631	60003632	60003673	60003327	60003399	60003329
Panel Technology / Backlight	S-PVA / Direct LED	S-PVA / Direct LED	S-PVA / Direct LED	S-PVA / Direct LED	S-PVA / Edge LED	S-PVA / Edge LED	S-PVA / Edge LED
Screen Size [inch / cm]	46 / 117	46 / 117	55 / 139	55 / 139	40 / 102	46 / 117	55 / 139
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9	16:9
Pixel Pitch [mm]	0.530	0.530	0.63	0.63	0.461	0.530	0.63
Brightness (Max.) [cd/m²]	500	700	700	700	700	700	700
Contrast (typ.)	3500:1	3500:1	3500:1	3500:1	3500:1	4000:1	4000:1
Viewing Angle Hor / Vert [°]	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	8	8	8	8	8	8	8
Colours [Mio.]	16.77	16.77	16.77	16.77	16.77	16.77	16.77
Native Resolution at 60 Hz	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Special Connectors	DVI-D, HDMI, DisplayPort In/Out, VGA	DVI-D, HDMI, DisplayPort In/Out, VGA	DVI-D, HDMI, DisplayPort In/Out, VGA	DVI-D, HDMI, DisplayPort In/Out, VGA	DVI-D In/Out, HDMI, DisplayPort, VGA	DVI-D In/Out, HDMI, DisplayPort, VGA	DVI-D In/Out, HDMI, DisplayPort, VGA
Slot-In Option	OPS, Interface Extension Slot	OPS, Interface Exten-sion Slot	OPS, Interface Extension Slot	OPS, Interface Extension Slot	OPS	OPS	OPS
Power Use Normal [W]	90	120	150	150	110	110	160
Power Use Savings Mode [W]	<1	<1	<1	<1	<1	<1	<1
Power Management VESA DPMS	•	•	•	•	•	•	•
Dimensions (W x H x D) [mm]	1,024 x 578.6 x 117.3	1,024 x 578.6 x 99.7	1,215.3 x 686.1 x 99.6	1,213.5 x 684.3 x 100.4	925.1 x 537.1 x 43.3	1,059.3 x 613 x 46.1	1,254.5 x 725.3 x 46.1
Weight [kg]	24.3	23.0	29.2	27.9	14.9	20.7	24.5
Bezel Width T - B / L - R [mm]	3.5 / 1.8	3.7 / 1.8	3.7 / 1.8	2.4 / 1.3	18.0	18.7	20.5
Integrated Speakers	-	-	-	-	2 x 5 W	2 x 5 W	2 x 5 W
Energy Star	6.0	6.0	6.0	6.0	5.1	5.1	5.1

PROTECTIVE GLASS | TOUCH ENABLED

	V323 PG	P403 PG	P463 PG	P553 PG	P703 PG	P801 PG	X401S PG	X462S PG	X552S PG
Order Code	60003713	60003701	60003702	60003703	60003707	60003708	60003437	60003433	60003432
Integrated NEC MultiSync® Model	V323	P403	P463	P553	P703	P801	X401S	X462S	X552S
Panel Technology	S-IPS / Edge LED	S-PVA with Edge LED backlights	S-PVA with Edge LED backlights	S-PVA with Edge LED backlights	UV² A with Edge LED backlight	UV² A with Edge LED backlight	S-PVA with Edge LED Backlights	S-PVA with Edge LED Backlights	S-PVA with Edge LED Backlights
Brightness (max) [cd/m2]	450	700	700	700	700	700	700	700	700
Viewing Angle Hor / Ver*	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Glass type	4mm Conturan® glass by Schott	4mm Conturan® glass by Schott	4mm Conturan® glass by Schott	4mm Conturan® glass by Schott	5mm Conturan® glass by Schott	5mm Conturan® glass by Schott	4mm Conturan® glass by Schott	4mm Conturan® glass by Schott	4mm Conturan® glass by Schott
Coating	Double sided anti-reflective coated	Double sided anti-reflective coated	Double sided anti-reflective coated	Double sided anti-reflective coated	Double sided anti-reflective coated	Double sided anti-reflective coated	Double sided anti-reflective coated	Double sided anti-reflective coated	Double sided anti-reflective coated
Light Transmission [%]	97	97	97	97	97	97	97	97	97
Reflection Rate [%]	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thickness [mm]	4	4	4	4	5	5	4	4	4
Native Resolution at 60 Hz	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Slot-In Option	OPS	OPS	OPS	OPS	OPS	OPS	OPS	OPS	OPS
Power Consumption (max.) (W)	155	245	280	315	320	430	230	255	305
Power Saving Mode (W)	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dimensions (W x H x D) [mm]	787 x 476 x 99	920.6 x 532.2 x 72.3	1,055.4 x 608.6 x 70.3	1,250.2 x 721 x 70.3	1,587 x 919.6 x 96.2	1,836.2 x 1,061.3 x 96.9	925.1 x 537.1 x 48.3	1,059.3 x 613 x 51.1	1,254.5 x 725.3 x 51.1
Weight w/o stand (net) [kg]	16.4	21.7	27.7	35.1	64.6	85.2	19.9	27.0	33.5
Bezel Width T-B / L-R (mm)	40.3 / 43.2	15.5 / 15.5	16.5 / 16.5	18.5 / 18.5	23.0 / 23.0	29.7 / 29.7	18.0 / 18.0	18.7 / 18.7	20.5 / 20.5
Integrated Speakers	2 x 8 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 5 W	2 x 5 W	2 x 5 W
Energy Star	5.2	6.0	6.0	6.0	-	-	5.1	5.1	5.1
DisplayNote	•	•	•	•	•	•	•	•	•
NaViSet Administrator 2	•	•	•	•	•	•	•	•	•

	V423-TM	V463-TM	V652-TM	P403 DST	P463 DST	P553 DST
Order Code	60003550	60003551	60003553	60003749	60003748	60003744
Integrated Display	V423	V463	V652	P403	P463	P553
Panel Technology / Backlight	S-IPS with Edge LED backlights	AMVA3 with Edge LED backlights	AMVA3 with Edge LED backlights	S-PVA with edge LED backlights	S-PVA with edge LED backlights	S-PVA with edge LED backlights
Screen Size (inch / cm)	42 / 106.73	46 / 117	64.5 / 163.9	40 / 101.6	46 / 116.8	55 / 138.8
Brightness (shipping) [cd/m²]	310	330	320	500	500	630
Contrast (typ.)	1300:1	4000:1	4000:1	4000:1	4000:1	4000:1
Native Resolution at 60 Hz	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Slot-In Option	OPS	OPS	OPS	OPS	OPS	OPS
Power Consumption (max.) (W)	220	210	360	105	120	150
Power Saving Mode (W)	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5
Power Management VESA DPMS	•	•	•	•	•	•
Dimensions without stand (W x H x D)	1,008 x 601 x 83.3	1,095 x 650 x 80.3	1,540.4 x 909.2 x 102	920.6 x 532.2 x 73.5	1,055.4 x 608.6 x 71.5	1,250.2 x 721 x 71.5
Weight without stand (kg)	24.7	27.7	68.3	23.0	25.4	34.8
Bezel Width T-B / L-R (mm)	32.0 / 32.0	32.8 / 32.8	50.5 / 53.5	15.5 / 15.5	16.5 / 16.5	18.5 / 18.5
Touch technology	Optical Camera with 4 Cameras	Optical Camera with 4 Cameras	Optical Camera with 4 Cameras	DST - Dispersive Signal Technology by 3M	DST - Dispersive Signal Technology by 3M	DST - Dispersive Signal Technology by 3M
Protection Glass	4mm, double sided anti-reflection, fully tempered	4mm, double sided anti-reflection, fully tempered	5 mm, double sided anti-reflection, fully tempered	Chemically-strengthened glass substrate	Chemically-strengthened glass substrate	Chemically-strengthened glass substrate
Touch Points / Events	Up to 5 (incl. gesture control)	Up to 5 (incl. gesture control)	Up to 5 (incl. gesture control)	1	1	1
Input Method	Finger; Stylus; Gloves	Finger; Stylus; Gloves	Finger; Stylus; Gloves	Finger, Stylus, Glove	Finger, Stylus, Glove	Finger, Stylus, Glove
Light Transmission [%]	96	96	96	92 (+/-2%)	92 (+/-2%)	92 (+/-2%)
Reflection Rate [%]	2	2	2	Anti-glare tech (low reflection)	Anti-glare tech (low reflection)	Anti-glare tech (low reflection)
Driver	5 touch points (incl. gesture control): Windows 7, Windows 8; 4 touch points: Windows Vista; 1 touch point: Windows XP, Mac OS, Linux	5 touch points (incl. gesture control): Windows 7, Windows 8; 4 touch points: Windows Vista; 1 touch point: Windows XP, Mac OS, Linux	5 touch points (incl. gesture control): Windows 7, Windows 8; 4 touch points: Windows Vista; 1 touch point: Windows XP, Mac OS, Linux	MicroTouch MT7 for MicroTouch DST driver for Microsoft®; Windows 7; Windows® 2000/XP/VISTA; HID-compliant	MicroTouch MT7 for MicroTouch DST driver for Microsoft®; Windows 7; Windows® 2000/XP/VISTA; HID-compliant	MicroTouch MT7 for MicroTouch DST driver for Microsoft®; Windows 7; Windows® 2000/XP/VISTA; HID-compliant
Communication Protocol	USB-HID; RS323	USB-HID; RS323	USB-HID; RS323	USB-HID	USB-HID	USB-HID

LED MODULES



LED MODULES

INDOOR AND OUTDOOR
6MM, 10MM, 15MM, 20MM PITCH
IP20 AND IP65
NICHIA LAMPS
SERVICE SOLUTIONS

50 x 50CM MODULES

	LED06AF1	LED06F1V	LED10BF1	LED15BF1	LED20BF1
Order Code	60003000	60003557	60003508	60003001	60003511
Pixel Configuration	3-in-1 SMD (Black)	3-in-1 SMD (White)	3-in-1 SMD (Black)	1R / 1G / 1B discrete LED	1R / 1G / 1B discrete LED
Number of Pixel per Tile [dot]	80 x 80	80 x 80	48 x 48	32 x 32	24 x 24
Number of Pixel per m^2	160 x 160	160 x 160	96 x 96	64 x 64	48 x 48
Pixel Pitch [mm]	6.25	6.25	10.417	15.625	20.83
Brightness (typ.) [cd/m^2]	2000	3000	6000	7500	7500
Contrast Ratio (typ.)	3500:1	2000:1	4000:1	4500:1	4500:1
Viewing Angle Hor / Vert [°]	±75-75 / ±70-70	±80-80 / ±70-70	±80-80 / ±50-60	±75-75 / +15 to -30	±65 / 18-40
Colour Processing	14 bit	14 bit	16 bit	16 bit	16 bit
Dimming Capability	64 level	64 level	64 level	64 level	64 level
Gamma Correction	1.8/2.0/2.2 (Default) / 2.4	1.8/2.0/2.2 (Default) / 2.4	1.8/2.0/2.2 (Default) / 2.4	1.8/2.0/2.2 (Default) / 2.4	1.8/2.0/2.2 (Default) / 2.4
Colour Temperature [K]	3200, 5000, 6500 (default), 7500, 9300	3200, 5000, 6500 (default), 7500, 9300	3200, 5000, 6500 (default), 7500, 9300	3200, 5000, 6500 (default), 7500, 9300	3200, 5000, 6500 (default), 7500, 9300
Refresh Rate	1920 Hz	1920 Hz	19200 Hz	19200 Hz	19200 Hz
Digital Inputs	DVI-D Dual Link In/Out	DVI-D Dual Link In/Out	Circular, DVI-D RS-422	DVI-D Dual Link In/Out	Circular, DVI-D RS-422
Power Use on Mode [W]	235W (Full White); 75W (50% grey level)	130W (Full White); 60W (50% grey)	145W (Full White); 65W (50% grey)	135W (Full White); 45W (50% grey level)	135W (Full White); 45W (50% grey)
Dimensions (W x H x D) [mm]	500 x 500 x 170	500 x 500 x 170	500 x 500 x 190	500 x 500 x 190	500 x 500 x 188
Weight [kg]	12.7	12.7	12.8	14.0	13.6
IP Level	IP20	IP20	IP65	IP65	IP65

REFERENCE

3 YEARS WARRANTY

	VD1	VP1
Video Input Connection	DVI-D	HDMI x 2, 5-RCA, 5-BNC, Mini D-sub15p, RCA, Mini Din 4pin
Optimum Resolution	1024 x 768 at 60Hz	1024 x 768 at 60Hz
Output Connectors	DVI-D x 8 with RS-422 control for LED modules DVI-D x 1 for cascade connection of video distributor	DVI-D, Control: RS232C (D-Sub 9P), 19.200 bps
Latency	Within 1 Frame	Within 1 Frame
Dimensions W x H x D [mm]	480 x 98 x 325	480 x 95 x 340
Weight [kg]	4.6	3.2
Power Use on Mode [W]	15	16
Operating Temperature [°C]	-20 to 40	5 to 35
Operating Humidity [%]	10 to 90	10 to 90
Storage Temperature [°C]	-30 to 60	0 to 60
Storage Humidity [%]	10 to 90	10 to 90

MOUNTING SOLUTIONS

WALL MOUNT for LARGE FORMAT DISPLAY		X464UN	X554UN	X554UNS	X464UNV	X401S	X462S	X552S	P403	P463	P553	P703	P801	V323	V423	V463	V552	V652	V801	V423-TM	V463-TM	V652-TM	E324	E424	E464	E554	E654
PRODUCT NAME																											
WALL MOUNTS	ORDER CODE	COMPATIBILITY																									
PDW S 32-55 L	100012666	O	O	O	O	●	●	●	●	●	●	-	-	●	●	●	●	-	-	●	-	-	●	●	●	●	-
PDW S 32-55 P	100012665	O	O	O	O	●	●	●	●	●	●	-	-	●	●	●	●	-	-	●	-	-	-	-	-	-	-
PDW T M L *	100013089	●	●	●	●	●	●	●	●	●	-	-	-	●	●	●	-	-	-	●	●	-	●	●	●	-	-
PDW T M P *	100013088	●	●	●	●	●	●	●	●	●	-	-	-	●	●	●	-	-	-	●	●	-	-	-	-	-	-
PDW T L L *	100013091	●	●	●	●	●	●	●	●	●	●	-	-	-	●	●	●	●	-	●	●	●	-	●	●	●	●
PDW T L P *	100013090	●	●	●	●	●	●	●	●	●	●	-	-	-	●	●	●	●	-	●	●	●	-	-	-	-	-
PDW T XL	100013412	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	●	●	-	-	●	-	-	-	-	●
CEILING MOUNTS	ORDER CODE	COMPATIBILITY																									
PDWXS 46 55 L	100012829	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD01CMS **	100013587	-	-	-	-	●	●	●	●	●	●	-	-	●	●	●	●	-	-	-	-	-	-	●	●	●	-
PD01CMB **	100013604	-	-	-	-	●	●	●	●	●	●	-	-	●	●	●	●	-	-	-	-	-	-	●	●	●	-
VIDEOWALL MOUNTS	ORDER CODE	COMPATIBILITY																									
PD02VWXUN 2x2 46 L	100013131	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PDVWXUN 2x2 55 L	100013001	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD02VWXUN 46 L	100012994	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PDVWXUN 46 P	100012481	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PDVWXUN 55 L	100012784	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PDVWXUN 55 P	100012783	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD02VW 46 55 L ***	100013263	●	●	●	●	●	●	●	●	●	●	-	-	-	O	O	O	O	-	-	-	-	-	-	-	-	-
PDVW MFS 46 55 L	100012730	●	●	●	●	-	●	●	-	●	●	-	-	-	-	O	O	-	-	-	-	-	-	-	-	-	-
PDVW MFS 46 55 P	100012915	●	●	●	●	-	●	●	-	●	●	-	-	-	-	O	O	-	-	-	-	-	-	-	-	-	-
PD02VW MFS 46 55 L ***	100013100	●	●	●	●	●	●	●	●	●	●	-	-	-	O	O	O	O	-	-	-	-	-	-	-	-	-
PD02VW MFS 46 55 P ***	100013099	●	●	●	●	-	●	●	-	●	●	-	-	-	O	O	O	O	-	-	-	-	-	-	-	-	-
MOBILE MOUNTING SOLUTIONS	ORDER CODE	COMPATIBILITY																									
PDMHM-L	100013383	O	O	O	O	●	●	●	●	●	●	●	●	-	●	●	●	●	●	●	●	●	-	●	●	●	●
PDMVC	100013379	O	O	O	O	-	●	●	-	●	●	-	-	-	-	●	●	●	-	-	-	-	-	-	-	-	-
PDVWM 2x2 46 55 L	100013262	●	●	●	●	●	●	●	●	●	●	-	-	-	O	O	O	-	-	-	-	-	-	-	-	-	-
PDVWM 3x3 46 55 L	100013265	●	●	●	●	-	●	●	-	●	●	-	-	-	-	O	O	-	-	-	-	-	-	-	-	-	-
easyFrame02 X46UN	SOLD AS KITS ****	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
easyFrame X55UN	SOLD AS KITS ****	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEIGHT-ADJUSTABLE SOLUTIONS	ORDER CODE	COMPATIBILITY																									
PDWHM-M	100013378	-	-	-	-	-	●	●	-	●	●	-	-	-	-	●	●	-	-	●	●	-	-	-	O	O	-
PDWHM-L	100013377	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	●	●	-	-	●	-	-	-	-	O
PDMHA	100013365	-	-	-	-	-	●	●	-	●	●	●	●	-	-	●	●	●	●	-	●	●	-	-	O	O	O

* Optional Connector Kits easily connect mounts to create mulit-monitor menuboard configurations. To find the right configuration of mounts and connectors, refer to the product datasheet.

** Ceiling Plate and Ceiling Column have to be ordered separately.

*** Optional Connector Kits eliminate on-site calculations. To find the right configuration of mounts and connector, refer to the product datasheet.

**** Please contact NEC for the order codes of a specific easyFrame configuration.

VIDEOWALL ACCESSORIES		X464UN	X554UN	X554UNS	X464UNV
PRODUCT NAME					
ACCESSORY	ORDER CODE	COMPATIBILITY			
KT-46UN-OF2	100012993	●	-	-	-
KT-46UN-OF3	100013619	-	-	-	●
KT-55UN-OF	100012785	-	●	-	-
KT-55UN-OF2	100013620	-	-	●	-
REMOTE CONTROL KIT (RC)	100012479	●	●	●	●
CALIBRATION KIT (KT-LFD-CC)	100012942	●	●	●	●
HUMAN SENSOR KIT (KT-RC2)	100013487	●	●	●	●
		Compatible with P and UN Series			

●	Perfect Compatibility
O	Compatibility is Possible (some functions are not available)
-	Not Compatible

3x3 Videowall with PD02VW MFS 46 55 L

SPEAKER I STAND

SPEAKER COMPATIBILITY

SPEAKER v MODEL / PRODUCT NAME		X464UN	X554UN	X554UNS	X464UNV	X401S	X462S	X552S	P403	P463	P553	P703	P801	V323	V423	V463	V552	V652	V801	V423-TM	V463-TM	V652-TM	E324	E424	E464	E554	E654
SPEAKER	ORDER CODE	COMPATIBILITY																									
SP-RM1	100012663	○	●	○	○	-	○	○	-	○	○	●	●	-	-	○	○	○	○	-	○	○	-	-	-	-	-
SP-RM2	100012728	-	-	-	-	●	-	-	-	-	-	-	-	-	○	-	-	-	-	○	-	-	-	-	-	-	-
SP-TF1	100013520	●	●	●	●	-	●	●	●	●	●	●	●	-	-	●	●	●	●	-	●	●	-	-	-	-	-
SP-46SM	100013413	-	-	-	-	-	●	-	-	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-
SP-55SM	100013463	-	-	-	-	-	-	●	-	-	●	-	-	-	-		●	-	-	-	-	-	-	-	-	-	-
SP-65SM	100013556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	●	-	-	-	-	-
SP-80SM	100013414	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-
Speakers Built-In		-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
No Speaker Option		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MultiSync® V801 with High-End Speaker SP-80SM

High-End Speaker SP-55SM

Rear-mounted Speaker SP-RM1

●	Perfect Compatibility
○	Integrated, bulge from surface of back cover
●	Uneven from surface of display front
-	Not Compatible

STAND COMPATIBILITY

STAND v MODEL / PRODUCT NAME		X464UN	X554UN	X554UNS	X464UNV	X401S	X462S	X552S	P403	P463	P553	P703	P801	V323	V423	V463	V552	V652	V801	V423-TM	V463-TM	V652-TM	E324	E424	E464	E554	E654
STAND	ORDER CODE	COMPATIBILITY																									
ST-322	100013034	●	-	-	●	●	-	-	●	●	-	-	-	●	●	●	-	-	-	●	-	-	-	-	-	-	-
ST-4020	100012203	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST-4620	100012205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	●	-	-	-	-	-	-
ST-5220	100012201	-	●	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST-651	100012828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	●	-	-	-	-	-
ST-801	100013328	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-
Stand Included		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●
No Feet Option		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SLOT-IN OPTIONS

OPTION BOARD v LARGE FORMAT MODEL			X464UNV	X464UN	X554UN	X554UNS	X401S	X462S	X552S	P403	P463	P553	P703	P801	V323	V423	V463	V552	V652	V801
PRODUCT NAME																				
SLOT OPTION	FORMAT	ORDER CODE	OPS and Interface Extension	OPS and Interface Extension	OPS and Interface Extension	OPS and Interface Extension	OPS	OPS	OPS	OPS and Interface Extension	OPS and Interface Extension	OPS and Interface Extension	OPS and Interface Extension	OPS and Interface Extension	OPS	OPS	OPS	OPS	OPS	OPS
Atom 2 x 1.6*	OPS	100013071	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Celeron ivy 2 x 2.2*	OPS	100013248	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Core i3 ivy 2 x 2.4*	OPS	100013246	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Core i5 2 x 2.5*	OPS	100012991	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Core i5 4400E 2 x 2.7*	OPS	100013594	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Core i7 4700EQ 4 x 2.4*	OPS	100013595	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HD-SDI 1.5G	OPS	100012893	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HD-SDI 3G	OPS	100012947	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPS Digital Signage Player	OPS	100013538	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wireless Display Media Player	OPS	100013353	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Analog Video Expansion Board	Interface Extension	100013510	●	●	●	●	-	-	-	●	●	●	●	●	-	-	-	-	-	-
BNC Expansion Board	Interface Extension	100013511	●	●	●	●	-	-	-	●	●	●	●	●	-	-	-	-	-	-
Digital Video Expansion Board	Interface Extension	100013512	●	●	●	●	-	-	-	●	●	●	●	●	-	-	-	-	-	-

OPTION BOARD v LARGE FORMAT MODEL			V423-TM	V463-TM	V652-TM	E324	E424	E464	E554	E654
PRODUCT NAME										
SLOT OPTION	FORMAT	ORDER CODE	OPS	OPS	OPS	no Slot	no Slot	no Slot	no Slot	no Slot
Atom 2x 1.6*	OPS	100013071	●	●	●	●	●	●	●	●
Celeron 1.4*	OPS	100013018	●	●	●	●	●	●	●	●
Celeron ivy 2x2.2	OPS	100013248	●	●	●	●	●	●	●	●
Core i3 ivy 2 x 2.4*	OPS	100013246	●	●	●	●	●	●	●	●
Core i5 2x 2.5*	OPS	100012991	●	●	●	●	●	●	●	●
Core i5 ivy 2x2.7*	OPS	100013253	●	●	●	●	●	●	●	●
Core i7 ivy 4x2.1*	OPS	100013250	●	●	●	●	●	●	●	●
HD-SDI 1.5G	OPS	100012893	●	●	●	●	●	●	●	●
HD-SDI 3G	OPS	100012947	●	●	●	●	●	●	●	●
OPS Digital Signage Player	OPS	100013538	●	●	●	●	●	●	●	●
Wireless Display Media Player	OPS	100013353	●	●	●	●	●	●	●	●
Analog Video Expansion Board	Interface Extension	100013510	-	-	-	-	-	-	-	-
BNC Expansion Board	Interface Extension	100013511	-	-	-	-	-	-	-	-
Digital Video Expansion Board	Interface Extension	100013512	-	-	-	-	-	-	-	-

*Please note that all other Slot-in PC configurations have the same compatibility characteristics.

OPTION BOARD v PROJECTOR MODEL			PH1400U	PH1000U	PX700W	PX750U	PX800X
PRODUCT NAME							
SLOT OPTION	FORMAT	ORDER CODE	OPS	OPS	OPS	OPS	OPS
Atom 2x 1.6*	OPS	100013071	●	●	●	●	●
Celeron 1.4*	OPS	100013018	●	●	●	●	●
Celeron ivy 2x2.2	OPS	100013248	●	●	●	●	●
Core i3 ivy 2 x 2.4*	OPS	100013246	●	●	●	●	●
Core i5 2x 2.5	OPS	100012991	●	●	●	●	●
Core i5 ivy 2x2.7	OPS	100013253	●	●	●	●	●
Core i7 ivy 4x2.1	OPS	100013250	●	●	●	●	●
HD-SDI Internal 1.5G	OPS	100012893	●	●	●	●	●
HD-SDI Internal 3G	OPS	100012947	●	●	●	●	●
OPS Digital Signage Player	OPS	100013538	●	●	●	●	●
Wireless Display Media Player	OPS	100013353	●	●	●	●	●

●	Compatible
●	Compatible using external OPS Standalone Adaptor
-	Not Compatible

OPS SLOT-IN PC

OPS HD-SDI BOARD

PROJECTORS

PH Projector

New High Brightness, Heavy Duty Installation models, which draw upon NEC's leadership in the Digital Cinema market combined with a comprehensive range of Mobile, Conventional and Specialist Projectors for the Classroom or Corporate.

With a traditional focus on Education, many of our Projectors include Special Education warranties and solutions and we bundle free software that helps you get connected, share content or make up for a lost remote control. More information on NEC Education Solutions is available at:
www.education-nec.com

EDU SOLUTIONS

NEW RELEASES

NC1040L I NC1440L	4K Laser Light Source projectors
NEW M2 STANDARD SERIES	Higher Brightness, contrast 10,000:1, Full HD resolution 1,920 x 1,080
NC1100L	NEC 2k laser projector

LED MOBILE	
L SERIES	Ideal for presentation on the move, ultra-light weight and elegant
VALUE	
V SERIES	Ideal for classrooms, (small) meeting rooms, cross-use (private/professional), mobile/cooperative applications
MULTIPURPOSE	
M SERIES	Suited for classrooms and small to medium sized meeting rooms
ULTRA SHORT THROW	
U SERIES	Ideal for meeting rooms and digital signage applications, as well as for classrooms
ULTRA SHORT THROW AND INTERACTIVE VERSION	
UM SERIES	Ideal for meeting rooms and digital signage applications, as well as for classrooms
UMi SERIES	
PROFESSIONAL	
P SERIES	Best solution for larger meeting rooms and university lecture halls
PE SERIES	
PROFESSIONAL ADVANCED	
PA SERIES	Ideal for corporate, high education and rental
PROFESSIONAL EXTREME	
PX SERIES	Ideal for rental / staging, large corporate, high education, conference room, museum and signage
PROFESSIONAL HIGH END	
PH SERIES	Best solution for rental/staging, high education and digital signage
DIGITAL CINEMA	
NC SERIES	World leading cinema projectors for multi-national chains or single venues.

For more detailed information please visit:
www.nec-display-solutions.com

	L51W LED	L102W LED
Order Code	60003377	60003452
Display	DLP 1x 1.14 cm (0.45") DMD Chip	DLP 1x 1.14 cm (0.45") DMD Chip
Aspect Ratio	16:10	16:10
Native Resolution	1280 x 800 (WXGA)	1280 x 800 (WXGA)
Brightness [ANSI Lumen]	500	1000
Contrast Ratio	4000:1	10000:1
Projection Factor	1.4 : 1	1.4 : 1
Projection Distance [m]	0.52 - 3	0.52 – 3
Projection Angle [°]	13.8	13.8
Screen Size (min / max) [cm (inch)]	43.2 / 254 (17 / 100)	43.2 / 254 (17 / 100)
Zoom / Focus	Digital / Manual	Digital / Manual
Connectors	HDMI, SD Card, USB A, USB mini-B, RGB In, Video, 1 x Audio In, optional WLAN	HDMI, SD Card, USB A, USB mini-B, RGB In, Video, 1 x Audio In, 1 x Audio Out, optional WLAN
Power Use [W AC] Normal / ECO / Stand-By / Power-Saving	105 / 70 / - / 0.5	107 / 84 / - / 0.5
Dimensions (W x H x D) [mm]	226 x 43 x 174	238 x 44 x 177
Weight [kg]	1.2	1.36
Speakers (mono) [W]	1 x 2	1 x 2

L SERIES

500 | 1000 ANSI LUMEN
WXGA

STYLISH DESIGNER LINES
LED LIGHT SOURCE
LIGHTWEIGHT
PC-LESS PRESENTATION
SD CARD READER
SPEAKER

V SERIES

2300 | 2600 | 2800 | 3100
ANSI LUMEN

VALUE RANGE
DLP COLOUR PERFORMANCE
UP TO 5000 HOURS LAMP LIFE (ECO)
LAN CONNECTIVITY (SOME MODELS)
SPEAKERS

3 YEARS WARRANTY

6 MONTHS FOR LAMP

ECO INNOVATION

	V230X	V260	V260X	V281W	V311W	V311X	U310W
Order Code	60003177	60003176	60003178	60003635	60003636	60003637	60003068
Display	DLP 1 x 1.4 cm (0.55") DDR DMD Chip	DLP 1 x 1.4 cm (0.55") DDR DMD Chip	DLP 1 x 1.4 cm (0.55") DDR DMD Chip	1 x 1.65 cm (0.65") 2 x LVDS DMD Chip	1 x 1.65 cm (0.65") 2 x LVDS DMD Chip	1 x 1.4 cm (0.55") 2 x LVDS DMD Chip	1 x 1.65 cm (0.65") 2 x LVDS DMD
Aspect Ratio	4:3	4:3	4:3	16:10	16:10	4:3	16:10
Native Resolution	1,024 x 768 (XGA)	800 x 600 (SVGA)	1,024 x 768 (XGA)	1,280 x 800 (WXGA)	1,280 x 800 (WXGA)	1,024 x 768 (XGA)	1280 x 800 (WXGA)
Brightness [ANSI Lumen]	2300	2600	2600	2800	3100	3100	3100
Contrast Ratio	2000:1	2000:1	2000:1	3000:1	3000:1	3000:1	2000:1
Projection Factor	1.95 – 2.15 : 1	1.95 – 2.15 : 1	1.95 – 2.15 : 1	1.55 – 1.7 : 1	1.55 – 1.7 : 1	1.94 – 2.13 : 1	0.3 : 1
Projection Distance [m]	1.2 – 13	1.2 – 13	1.2 – 13	1 – 11	1 – 11	1.2 – 13	0.152 – 0.319
Projection Angle [°]	12.8 - 14.0	12.8 - 14.0	12.8 - 14.0	12.9 - 14.1	12.9 - 14.1	12.8 - 14 .0	55.3
Screen Size (min / max) [cm (inch)]	76 / 762 (30 / 300)	76 / 762 (30 / 300)	76 / 762 (30 / 300)	76 / 762 (30 / 300)	76 / 762 (30 / 300)	76 / 762 (30 / 300)	196 / 254 (77 / 100)
Zoom / Focus	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Digital / Manual
Connectors	RGB In, PC Control, 1 x RGB out, S-Video, Video, 1 x Audio In	RGB In, PC Control, 1 x RGB out, S-Video, Video 1 x Audio In	HDMI, 2 x RGB In, PC Control, LAN, 1 x RGB out, S-Video, Video, Audio: 2 x In, 1 x Out	HDMI, 2 x RGB In, PC Control, LAN, 1x RGB out, S-Video, Video, Audio: 3x In, 1x Out	HDMI, 2 x RGB In, PC Control, LAN, 1x RGB out, S-Video, Video, Audio: 3x In, 1x Out	HDMI, 2 x RGB In, PC Control, LAN, 1x RGB out, S-Video, Video, Audio: 3x In, 1x Out	HDMI, 2 x RGB In, S-Video, LAN, PC Control,1 x RGB out, Video, 3 x Audio In, 1 x Audio Out
Power Use [W AC] Normal / ECO / Stand-By / Power-Saving	233 / 210 / - / 0.8	233 / 210 / - / 0.8	233 / 210 / - / 0.8	268 / 210 / - / 0.5	268 / 210 / - / 0.5	268 / 210 / - / 0.5	360 / 315 / 3 / 0.5
Lamp Life Normal / ECO [hrs.]	3500 / 5000	3500 / 5000	3500 / 5000	3000 / 5000	3000 / 5000	3000 / 5000	2500 / 3000
Dimensions (W x H x D) [mm]	310 x 95 x 247	310 x 95 x 247	310 x 95 x 247	310 x 95 x 247	310 x 95 x 247	310 x 95 x 247	427 x 200 x 406
Weight [kg]	2.5	2.5	2.5	2.5	2.5	2.5	6.5
Speakers (mono) [W]	1 x 7	1 x 7	1 x 7	1 x 7	1 x 7	1 x 7	1 x 10
TCO	•	-	•	-	-	-	-
Education Warranty Available	-	-	•	•	•	•	•
NaViSet Administrator 2	•	•	•	•	•	•	•

	M230X	M271X	M271W	M311X	M311W	M322W	M361X
Order Code	60002958	60003404	60003408	60003405	60003407	60003454	60003406
Display	3 x 1.6 cm (0.63") p-Si LCD Panel	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	1 x 1.65 cm (0.65") 2 x LVDS DMD Chip	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA
Aspect Ratio	4:3	4:3	16:10	4:3	16:10	16:10	4:3
Native Resolution	1024 x 768 (XGA)	1024 x 768 (XGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)	1280 x 800 (WXGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)
Brightness [ANSI Lumen]	2300	2700	2700	3100	3100	3200	3600
Contrast Ratio	2000:1	3000:1	3000:1	3000:1	3000:1	10000:1	3000:1
Projection Factor	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.2 – 2.04 : 1	1.3 – 2.2 : 1
Projection Distance [m]	0.6 – 13.8	0.6 – 13.8	0.7 – 14.7	0.6 – 13.8	0.7 – 14.7	0.76 – 13.53	0.6 – 13.8
Projection Angle [°]	6.5 – 11.4	6.5 – 11.4	6.5 – 11.4	6.5 – 11.4	6.5 – 11.4	10.5 - 17.6	6.5 – 11.4
Screen Size (min / max) [cm (inch)]	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	76.2 - 762 (30 - 300)	63.5 / 762 (25 / 300)
Zoom / Focus	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual
Connectors	HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x HDMI, 1 x RGB In, 1 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 1 In, 1 Out, Optional WLAN	HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN
Power [W AC] Hi-Bright / Normal / ECO / Stand-By / Power-Saving	- / 239 / 193 / 8 / 0.4	239 / 193 / 172 / 8 / 0.4	239 / 193 / 172 / 8 / 0.4	239 / 193 / 172 / 8 / 0.4	302 / 236 / 211 / 8 / 0.4	- / 224 / 202 / 2.9 / 0.4	302 / 236 / 211 / 8 / 0.4
Lamp Life Normal / ECO [hrs.]	5000 / 6000	6000 / 10000	6000 / 10000	6000 / 10000	5000 / 8000	3500 / 8000	5000 / 8000
Dimensions (W x H x D) [mm]	339 x 99 x 257	339 x 99 x 257	339 x 99 x 257	339 x 99 x 257	339 x 99 x 257	367.9 x 97.5 x 285.9	339 x 99 x 257
Weight [kg]	2.9	2.99	2.99	2.99	2.99	3.48	2.99
Speakers (mono) [W]	1 x 10	1 x 10	1 x 10	1 x 10	1 x 10	1 x 20	1 x 10
TCO	●	●	●	●	●	-	●
Education Warranty Available	●	●	●	●	●	●	●

	M362W	M402W	M420X	M260XS	M302WS	M332XS	M352WS
Order Code	60003577	60003455	60003131	60003074	60003578	60003580	60003461
Display	1 x 1.65 cm (0.65") 2 x LVDS DMD Chip	1 x 1.65 cm (0.65") 2 x LVDS DMD Chip	3 x 1.6 cm (0.63"), p-Si LCD Panel with MLA	3 x 1.6 cm (0.63"), p-Si LCD Panel with MLA	1 x 1.65 cm (0.65") 2x LVDS DMD Chip	1 x 1.4 cm (55") 2x LVDS DMD Chip	1 x 1.65 cm (0.65") 2x LVDS DMD Chip
Aspect Ratio	16:10	16:10	4:3	4:3	16:10	4:3	16:10
Native Resolution	1,280 x 800 (WXGA)	1,280 x 800 (WXGA)	1,024 x 768 (XGA)	1,024 x 768 (XGA)	1,280 x 800 (WXGA)	1,024 x 768 (WXGA)	1,280 x 800 (WXGA)
Brightness [ANSI Lumen]	3600	4000	4200	2600	3000	3300	3500
Contrast Ratio	10000:1	10000:1	2000:1	2000:1	10000:1	10000:1	10000:1
Projection Factor	1.2 – 2.04 : 1	1.2 – 2.04 : 1	1.3 – 2.2 : 1	0.47 : 1	0.45:1	0.56:1	0.45:1
Projection Distance [m]	0.76 – 13.53	0.76 – 13.53	0.6 – 13.8	0.6 – 1.1	0.56 – 1.48	0.68 – 1.76	0.56 – 1.48
Projection Angle [°]	10.5 - 17.6	10.5 - 17.6	6.5 – 11.4	37.3 - 38.6	40.7 - 40.9	40.7 - 40.9	40.7 - 40.9
Screen Size (min / max) [cm (inch)]	76.2 - 762 (30 - 300)	76.2 - 762 (30 - 300)	63.5 / 762 (25 / 300)	152.4 / 279.4 (60 / 110)	152.4 / 381 (60 / 150)	152.4 / 381 (60 / 150)	152.4 / 381 (60 / 150)
Zoom / Focus	Manual / Manual	Manual / Manual	Manual / Manual	Digital / Manual	Digital / Manual	Digital / Manual	Digital / Manual
Connectors	2 x HDMI, 1 x RGB In, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync	2 x HDMI, 1 x RGB In, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync	HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x HDMI, 1 x RGB In, 1 x Video, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1 x 3D Sync	2 x HDMI, 1 x RGB In, 1 x Video, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1 x 3D Sync	2 x HDMI, 1 x RGB In, 1 x Video, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1 x 3D Sync
Power [W AC] Hi-Bright / Normal / ECO / Stand-By / Power-Saving	315 / 244 / 242 / 3.9 / 0.4	335 / 278 / 246 / 2.9 / 0.4	343 / 264 / 8 / 0.4	- / 239 / 193 / 8 / 0.4	286 / 224 / 202 / 2.9 / 0.4	335 / 278 / 246 / 2.9 / 0.4	335 / 278 / 246 / 2.9 / 0.4
Lamp Life Normal / ECO [hrs.]	3500 / 8000	3500 / 8000	3000 / 3500	5000 / 6000	5500 / 8000	5000 / 8000	5000 / 8000
Dimensions (W x H x D) [mm]	367.9 x 97.5 x 285.9	367.9 x 97.5 x 285.9	398 x 115 x 282	398 x 140 x 309.5	368 x 97 x 286	368 x 97 x 286	368 x 97 x 286
Weight [kg]	3.6	3.6	3.6	4.0	3.6	3.7	3.6
Speakers (mono) [W]	1 x 20	1 x 20	1 x 10	1 x 10	1 x 20	1 x 20	1 x 20
TCO	-	-	-	●	-	-	-
Education Warranty Available	●	●	●	●	●	●	●

M SERIES

MULTI-PURPOSE ECO PROJECTION
FLEXIBLE INSTALLATION
AV MUTE SLIDABLE COVER OR BUTTON
UP TO 6000 HOURS LAMP LIFE (ECO)
MATCHED FILTER AND LAMP CHANGE

2300 | 2600 | 2700 | 3000 | 3100 | 3200 | 3300 | 3500 | 3600 | 4000 | 4200 ANSI LUMEN
XGA | WXGA
STANDARD THROW | SHORT THROW

U SERIES

ULTRA SHORT THROW
INCLUDES WALL MOUNT
3D READY
EDUCATION WARRANTY AVAILABLE

3100 ANSI LUMEN
WXGA

UM SERIES

PROFESSIONAL ULTRA SHORT THROW
ECO PROJECTION WITHOUT COMPROMISE
INTUITIVE USER-CENTRIC OPERATION
PRESENT WITH LESS GLARE AND SHADOW
0.36:1 THROW RATIO
GREAT CONNECTIVITY

2800 | 3300 ANSI LUMEN
XGA | WXGA
ULTRA SHORT THROW

	UM280X	UM280W	UM330X	UM330W
Order Code	60003391	60003390	60003393	60003392
Display	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA
Aspect Ratio	4:3	16:10	4:3	16:10
Native Resolution	1,024 x 768 (XGA)	1,280 x 800 (WXGA)	1,024 x 768 (XGA)	1,280 x 800 (WXGA)
Brightness [ANSI Lumen]	2800	2800	3300	3300
Contrast Ratio	3000:1	3000:1	3000:1	3000:1
Projection Factor	0.36 : 1	0.36 : 1	0.36 : 1	0.36 : 1
Projection Distance [m]	0.105 - 0.510	0.105 - 0.510	0.105 - 0.510	0.105 - 0.510
Projection Angle [°]	53.1	49.2	53.1	49.2
Screen Size (min / max) [cm (inch)]	156.2 / 296.2 (61.5 / 116.6)	147.3 / 279.4 (58 / 110)	156.2 / 296.2 (61.5 / 116.6)	147.3 / 279.4 (58 / 110)
Zoom / Focus	Digital / Manual	Digital / Manual	Digital / Manual	Digital / Manual
Connectors	2 x HDMI, 1 x RGB In, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional	2 x HDMI, 1 x RGB In, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional	2 x HDMI, 1 x RGB In, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional	2 x HDMI, 1 x RGB In, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional
Power [W AC] Hi-Bright / Normal / ECO / Stand-By / Power-Saving	304 / 235 / 212 / 8 / 0.4	304 / 235 / 212 / 8 / 0.4	344 / 263 / 233 / 8 / 0.4	344 / 263 / 233 / 8 / 0.4
Lamp Life Normal / ECO [hrs.]	5000 / 8000	5000 / 8000	3500 / 6000	3500 / 6000
Dimensions (W x H x D) [mm]	378 x 112 x 428	378 x 112 x 428	378 x 112 x 428	378 x 112 x 428
Weight [kg]	5.6	5.6	5.7	5.7
Speakers (mono) [W]	1 x 16	1 x 16	1 x 16	1 x 16
Education Warranty Available	•	•	•	•

	UM280Xi	UM280Wi	UM330Xi	UM330Wi
Order Code	60003571	60003427	60003429	60003428
Display	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA
Aspect Ratio	4:3	16:10	4:3	16:10
Native Resolution	1,024 x 768 (XGA)	1,280 x 800 (WXGA)	1,024 x 768 (XGA)	1,280 x 800 (WXGA)
Brightness [ANSI Lumen]	2800	2800	3300	3300
Contrast Ratio	3000:1	3000:1	3000:1	3000:1
Projection Factor	0.36 : 1	0.36 : 1	0.36 : 1	0.36 : 1
Projection Distance [m]	0.105 - 0.510	0.105 - 0.510	0.105 - 0.510	0.105 - 0.510
Projection Angle [°]	53.1	49.2	53.1	49.2
Screen Size (min / max) [cm (inch)]	160 / 269.2 (63 / 106)	152.2 / 254 (60 / 100)	160 / 269.2 (63 / 106)	152.2 / 254 (60 / 100)
Zoom / Focus	Digital / Manual	Digital / Manual	Digital / Manual	Digital / Manual
Connectors	2 x HDMI, 1 x RGB In, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional	2 x HDMI, 1 x RGB In, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional	2 x HDMI, 1 x RGB In, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional	2 x HDMI, 1 x RGB In, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional
Power [W AC] Hi-Bright / Normal / ECO / Stand-By / Power-Saving	304 / 235 / 212 / 8 / 0.4	304 / 235 / 212 / 8 / 0.4	344 / 263 / 233 / 8 / 0.4	344 / 263 / 233 / 8 / 0.4
Lamp Life Normal / ECO [hrs.]	5000 / 8000	5000 / 8000	3500 / 6000	3500 / 6000
Dimensions (W x H x D) [mm]	378 x 112 x 428	378 x 112 x 428	378 x 112 x 428	378 x 112 x 428
Weight [kg]	5.6	5.6	5.7	5.7
Speakers (mono) [W]	1 x 16	1 x 16	1 x 16	1 x 16
Education Warranty Available	•	•	•	•

P | PE SERIES

ENTRY GRADE HIGH BRIGHTNESS
PROFESSIONAL INSTALLATION
AV MUTE SLIDABLE COVER OR BUTTON
UP TO 3000 HOURS LAMP LIFE (ECO)

4000 | 4500 | 5000 ANSI LUMEN
XGA | WXGA | HD

PA SERIES

FLEXIBLE INSTALLATION, 5 OPTIONAL LENS
STACKABLE TO 4 x BRIGHTNESS
HEAVY DUTY PERFORMANCE
DISPLAYPORT AND LAN

5000 | 5500| 6000 ANSI LUMEN
XGA | WXGA | WUXGA

	P401W	P451W	P501X	PE401H	PA500U	PA500X
Order Code	60003693	60003449	60003450	60003447	60003082	60003083
Display	3 x 1.5 cm (0.59") LCD Panel with SMLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	1 x 1.65 cm (0.65") 2 x LVDS DMD Chip	3 x 1.93 cm (0.76") p-Si inorganic LCD Panel with MLA	3 x 2 cm (0.79") p-Si inorganic LCD Panel with MLA
Aspect Ratio	16:10	16:10	4:3	16:9	16:10	4:3
Native Resolution	1,280 x 800 (WXGA)	1,280 x 800 (WXGA)	1,024 x 768 (XGA)	1,920 x 1080	1,920 x 1200 (WUXGA)	1,024 x 768 (XGA)
Brightness [ANSI Lumen] (Max)	4000	4500	5000	4000	5000	5000
Brightness in Normal Mode [approx. %]	83	60	60	75	80	80
Contrast Ratio (DB™ = with DynamicBlack™)	4000:1	4000:1	4000:1	2000:1	2000:1	2000:1
Lens [mm]	F= 1.7 – 2.2, f= 17.4 – 29	F= 1.7 – 2.2, f= 17.4 – 29.0	F= 1.7 – 2.2, f= 17.4 – 29.0	F= 2.4 – 3.29, f= 23.9 – 40.5	optional	optional
Lens: optional bayonet lenses (LM = with lens memory)	No optional lens	No optional lens	No optional lens	No optional lens	6	6
Projection Factor (std. option)	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.6 - 2.72 : 1	1.5-3.02:1 (NP13ZL)	1.5-3.02:1 (NP13ZL)
Projection Distance [m]	0.7 – 14.6	0.7 – 14.6	0.6 – 13.8	1 – 11	0.70 (NP11FL) 76.4 (NP15ZL)	0.50 (NP11FL) 76.4 (NP15ZL)
Screen Size (min. / max.) [cm (inch)]	64 / 762 (25 / 300)	64 / 762 (25 / 300)	64 / 762 (25 / 300)	28 / 762 (11 / 300)	76 / 1,270 (30 / 500)	76 / 1,270 (30 / 500)
Lens Adjustment	Manual	Manual	Manual	Manual	Manual	Manual
Connectors	2 x HDMI, 1 x RGB In, S-Video, PC Control, RCA In, 2 x USB A, USB B, LAN, 3 x Audio In, 1 x RGB Out, 1 x Audio Out, optional WLAN	2 x HDMI, 1 x RGB In, S-Video, PC Control, RCA In, 2 x USB A, USB B, LAN, 3 x Audio In, 1 x RGB Out, 1 x Audio Out, optional WLAN	2 x HDMI, 1 x RGB In, S-Video, PC Control, RCA In, 2 x USB A, USB B, LAN, 3 x Audio In, 1 x RGB Out, 1 x Audio Out, optional WLAN	2 x HDMI, 1 x RGB In, S-Video, PC Control, RCA In, 2 x USB A, USB B, LAN, 3 x Audio In, 1 x RGB Out, 1 x Audio Out, optional WLAN	HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB Out, 3 x Audio In, 1x Audio Out, Remote In, optional WLAN	HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB Out, 3 x Audio In, 1 x Audio Out, Remote In, optional WLAN
Power: (High Bright / Normal / ECO) [W]	325 / 274 / 231	357 / 292 / 231	357 / 292 / 231	- / 388 / 295	- / 455 / 369	- / 443 / 356
Power Network Stand-by Mode [W]	2.8	2.8	2.8	<12	6	6
Power Saving Mode [W]	0.4	0.4	0.4	<0.5	0.2	0.2
Lamp Power: Normal / ECO [W/UHP AC]	240 / 163	270 / 163	270 / 163	330 / 248	330 / 264	330 / 264
Lamp Life: Hi Br / Normal / ECO [hrs.]	4000 / 5000 / 6000	3500 / 4000 / 6000	3500 / 4000 / 6000	- / 2500 / 3300	- / 3000 / 4000	- / 3000 / 4000
Dimensions (W x H x D) [mm]	398 x 115 x 282	398 x 115 x 282	398 x 115 x 282	350 x 105 x 281	499 x 144 x 359	499 x 144 x 359
Weight [kg]	4.1	4.1	4.1	4.5	7.8	7.7
Speakers [W]	1 x 16	1 x 16	1 x 16	2 x 8	1 x 10	1 x 10

PX SERIES

24/7 REFERENCE PERFORMANCE
DUAL LAMP, BEST QUALITY TECHNOLOGY
DISPLAYPORT, LAN, INTEGRATED OPS SLOT

6000 | 7000 | 7500 | 8000 ANSI LUMEN
XGA | WXGA | WUXGA

PH SERIES

3 CHIP DLP, HIGH-END PERFORMANCE, OPS SLOT
VERTICAL AND HORIZONTAL MOTORISED LENS SHIFT

11000 I 13500 ANSI LUMEN
WUXGA

PA550W	PA600X	PX700W	PX750U	PX800X	PH1000U	PH1400U
60003085	60003084	60003183	60003182	60003184	60003275	60003442
3 x 1.9 cm (0.75") p-Si inorganic LCD Panel with MLA	3 x 2 cm (0.79") p-Si inorganic LCD Panel with MLA	1.65 cm (0.65") 2 x LVDS DMD Chip - DLP™ Technology	1.7 cm (0.67") 2 x LVDS DMD Chip - DLP™ Technology	1.78 cm (0.7") 2 x LVDS DMD Chip - DLP™ Technology	3 x 2.44 cm (0.96") 3-Chip - DLP™ Technology	3 x 2.44 cm (0.96") 3-Chip - DLP™ Technology
16:10	4:3	16:10	16:10	4:3	16:10	16:10
1,280 x 800 (WXGA)	1,024 x 768 (XGA)	1,280 x 800 (WXGA)	1,920 x 1200 (WUXGA)	1,024 x 768 (XGA)	1,920 x 1200 (WUXGA)	1,920 x 1200 (WUXGA)
5500	6000	7000	7500	8000	11000	13500
80	80	80	80	80	75	75
2000:1	2000:1	2100:1 DB™	2100:1 DB™	2100:1 DB™	2000:1	2000:1
optional	optional	optional	optional	optional	optional	optional
6	6	7 (6 with Lens Memory)	7 (6 with Lens Memory)	7 (6 with Lens Memory)	7 (6 with Lens Memory)	7 (6 with Lens Memory)
1.5-3.02:1 (NP13ZL)	1.5-3.02:1 (NP13ZL)	0.76:1 & 1.25-8.3:1	0.76:1 & 1.25-8.3:1	0.76:1 & 1.25-8.3:1	0.67:1 & 0.9-6.96:1	0.67:1 & 0.9-6.96:1
0.50 (NP11FL) 76.4 (NP15ZL)	0.50 (NP11FL) 76.4 (NP15ZL)	0.8 (NP16FL) 54 (NP21ZL)	0.8 (NP16FL) 54 (NP21ZL)	0.8 (NP16FL) 54 (NP21ZL)	1.1 (NP25FL) 74 (NP29ZL)	1.1 (NP25FL) 74 (NP29ZL)
76 / 1,270 (30 / 500)	76 / 1,270 (30 / 500)	127 / 762 (50 / 300)	127 / 762 (50 / 300)	127 / 762 (50 / 300)	203 / 1,270 (80 / 500)	203 / 1,720 (80 / 500)
Manual	Manual	Motorised	Motorised	Motorised	Motorised	Motorised
HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB Out, 3 x Audio In, 1 x Audio Out, Remote In, optional WLAN	HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB Out, 3 x Audio In, 1 x Audio Out, Remote In, optional WLAN	HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB out, Remote in, optional WLAN, 1 x Optional Slot	HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB out, Remote in, optional WLAN, 1 x Optional Slot	HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB out, Remote in, optional WLAN, 1 x Optional Slot	HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB out, Remote in, optional WLAN, 1 x Optional Slot	HDMI, DisplayPort, 3 x RGB In, S-Video, LAN, PC Control, 2 x USB A, RCA In, 1 x RGB Out, Remote In, optional WLAN, 3D DVI In, 1 x Optional Slot
- / 443 / 356	- / 443 / 356	- / 494 / 405	- / 515 / 429	- / 489 / 404	- / 580 / 490	- / 705 / 585
6	6	18	23	18	60	60
0.2	0.2	0.4	0.4	0.4	0.5	0.5
330 / 264	330 / 264	2 x 400 / 2 x 320	2 x 400 / 2 x 320	2 x 400 / 2 x 320	2 x 400 / 2 x 320	2 x 465 / 2 x 365
- / 3000 / 4000	- / 3000 / 4000	- / 2000 / 2500	- / 2000 / 2500	- / 2000 / 2500	- / 2000 / 2500	- / 2500 / 3000
499 x 144 x 359	499 x 144 x 359	504 x 192 x 516	504 x 192 x 516	504 x 192 x 516	558 x 235 x 578	558 x 235 x 578
7.7	7.7	19.7	19.7	19.7	39	39
1 x 10 W	1 x 10 W	-	-	-	-	-

DIGITAL CINEMA / PROJECTOR OPTIONS

	NC900C	NC1200C	NC2000C	NC3200S	NC3240S	NC1040L	NC1440L	NC1100L
Order Code	60003356	60002948	60002815	60002816	60003070	60003623	60003664	60003700
DMD	3-chip DMD reflection method	3-chip DMD reflection method	3 x 0.98" Chip DLP™	3-chip DMD reflection method	3-chip DMD reflection method	3-chip DMD reflection method	3-chip DMD reflection method	3-chip DMD reflection method
Screen Sizes	up to 9.5m in DCI Colour	4 to 14m	up to 20m	up to 32m	up to 32m	up to 9.5 m	up to 14 m	up to 11 m
Light Source	350 W x 2 NSH Lamps	max 2.0KW	max 4.0KW	4.5 / 6.0 / 7.0 KW	4.5 / 6.0 / 7.0 KW	External Laser Light source connected by fiber tube	Laser Light Source	Laser Light Source
Brightness [Lumen]	-	9700, 2.0KW Lamp	18300, 4.0KW Lamp	33000, High-efficiency Xenon lamp options (7KW)	33000, High-efficiency Xenon lamp options (7KW)	5000	-	-
Contrast Ratio	1800:1 (full on/off)	> 2200:1 (full on/off)	> 2200:1 (full on/off)	> 2200:1 (full on/off)	> 2000:1 (full on/off)	2000:1 (full on/off)	2000:1 (full on/off)	1750:1 (full on/off)
DMD Specifications	2048 x 1080 Chip: 0.69" DLP	0.98", 12° tilt angle, 2048 x 1080 pixels	0.98", 12° tilt angle, 2048 x 1080 pixels	1.25", 12° tilt angle, 2048 x 1080 pixels	1.38", 12° tilt angle, 4096 x 2160 pixels	1.38", 12° tilt angle, 4096 x 2160 pixels	1.38", 4096 x 2160 pixels	2048 x 1080 Chip: 0.69" DLP
Primary Lenses	NP-9LS12ZM: 1.2-1.72:1 NP-9LS13ZM: 1.33-2.1:1 NP-9LS16ZM: 1.62-2.7:1 NP-9LS20ZM: 2.09-3.9:1 NP-9LS40Z: 4.07-6.34:1	1.2 to 1.8:1 zoom; 1.3 to 1.75:1 zoom; 1.4 to 2.05:1zoom; 1.59 to 2.53:1 zoom; 1.9 to 3.25:1 zoom; 2.4 to 3.9:1 zoom; 3.9 to 6.5:1 zoom	1.2 to 1.8:1 zoom; 1.3 to 1.75:1 zoom; 1.4 to 2.05:1 zoom; 1.59 to 2.53:1 zoom; 1.9 to 3.25:1 zoom; 2.4 to 3.9:1 zoom; 3.9 to 6.52:1 zoom	1.25 to 1.45:1 zoom; 1.44 to 2.05:1 zoom; 1.6 to 2.4:1 zoom; 1.8 to 3:1 zoom; 2.15 to 3.6:1 zoom; 3 to 4.3:1 zoom; 4.3 to 6:1 zoom	1.25 to 1.45:1 zoom; 1.44 to 2.05:1 zoom; 1.6 to 2.4:1 zoom; 1.8 to 3:1 zoom; 2.15 to 3.6:1 zoom; 3 to 4.3:1 zoom; 4.3 to 6:1 zoom	1.13 to 1.66:1 zoom; 1.30 to 1.85:1 zoom; 1.44 to 2.16:1 zoom; 1.63 to 2.71:1 zoom; 1.95 to 3.26:1 zoom; 2.71 to 3.89:1 zoom	1.13 to 1.66:1 zoom; 1.30 to 1.85:1 zoom; 1.44 to 2.16:1 zoom; 1.63 to 2.71:1 zoom; 1.95 to 3.26:1 zoom; 2.71 to 3.89:1 zoom	NP-9LS12ZM1: 1.2-1.72:1 NP-9LS13ZM1: 1.33-2.1:1 NP-9LS16ZM1: 1.62-2.7:1 NP-9LS20ZM1: 2.09-3.9:1
Dimension W x H x D [mm]	621 x 314 x 798	700 x 503 x 990	700 x 503 x 990	700 x 503 x 1,124	700 x 503 x 1,124	737 x 364 x 1,042	737 x 364 x 1,042	700 x 314 x 1,042
Cooling Method	Air cooling with dust-preventing electrostatic filter	Liquid Cooling system with dust preventing electrostatic filter. Total thermal dissipation: 10,600 BTU. Projector exhaust: 10m³/min	Liquid Cooling system with dust preventing electrostatic filter. Total thermal dissipation: 18,800 BTU. Demand of Exhaust Duct 13CMM	Liquid Cooling inside, air cooling with dust preventing electrostatic filter. Total thermal dissipation: 35,500 BTU. Demand of Exhaust Duct 16CMM	Liquid Cooling inside, air cooling with dust preventing electrostatic filter. Total thermal dissipation: 35,850 BTU. Demand of Exhaust Duct 16CMM	Liquid Cooling inside, air cooling with dust preventing electrostatic filter; Demand of exhaust duct: NO	Liquid Cooling inside, air cooling with dust preventing electrostatic filter; Demand of exhaust duct: NO	Air cooling with dust-preventing electrostatic filter

For more detailed information please visit: **www.digital-cinema-nec.com**

OPTION v PROJECTOR		Value						Multi-Purpose										Short Throw			
		V230X	V260	V260X	V281W	V311W	V311X	M230X	M271X	M271W	M311X	M322W	M311W	M361X	M362W	M402W	M420X	M260XS	M302WS	M332XS	M352WS
OPTION	ORDER CODE	COMPATIBILITY																			
PJ03WHA	100012976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●
PJ03WHM	100013024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●
NP02HM	100012781	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●
PJ03MHA	100013384	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●
NP02WK	100012810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●
NP03WK	100012864	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●
NP04WK	100013142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP05WK	100013622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●
Wall Mount included		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP01UCM	100012432	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
NP02UCM	100012433	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
NP03UCM	100012434	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
NP04UCM	100012435	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
NP05UCM	100012436	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
NP70CM	100012901	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP01Wi1 (incl. Mouse Driver)	60003314	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-
NP01Wi2 (incl. Software)	60003315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-
NP02Wi	100013065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP03Wi	100013602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●
NP02GL (3D Glasses)	100012946	●	●	●	●	●	●	-	-	-	-	●	-	-	●	●	-	-	●	●	●
VPOP-01000 (3D Glasses)	1000135777	●	●	●	●	●	●	-	-	-	-	●	-	-	●	●	-	-	●	●	●
No Mount Option		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

OPTION v PROJECTOR		Ultra Short Throw							Installation												
		U310W	UM280X	UM280W	UM330X	UM330W	M302WS	M352WS	P401W	P451W	P501X	PE401H	PA500U	PA500X	PA550W	PA600X	PX700W	PX750U	PX800X	PH1000U	PH1400U
OPTION	ORDER CODE	COMPATIBILITY																			
PJ03WHA	100012976	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PJ03WHM	100013024	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP02HM	100012781	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PJ03MHA	100013384	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP02WK	100012810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP03WK	100012864	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP04WK	100013142	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP05WK	100013622	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-
Wall Mount included		●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP01UCM	100012432	●	●	●	●	●	-	-	●	●	●	●	-	-	-	-	-	-	-	-	-
NP02UCM	100012433	●	●	●	●	●	-	-	●	●	●	●	-	-	-	-	-	-	-	-	-
NP03UCM	100012434	●	●	●	●	●	-	-	●	●	●	●	-	-	-	-	-	-	-	-	-
NP04UCM	100012435	●	●	●	●	●	-	-	●	●	●	●	●	●	●	●	-	-	-	-	-
NP05UCM	100012436	●	●	●	●	●	-	-	●	●	●	●	●	●	●	●	-	-	-	-	-
NP70CM	100012901	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	-	-
NP01Wi1 (incl. Mouse Driver)	60003314	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP01Wi2 (incl. Software)	60003315	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP02Wi	100013065	-	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NP03Wi	100013602	-	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-
NP02GL (3D Glasses)	100012946	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPOP-01000 (3D Glasses)	tbd.	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-
PJ01FPA	100013667	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	-	-	-	-	-
PJ01FPX	100013665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	-	-
PJ01FPH	100013664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●

CEILING MOUNT FEATURES		Maximum Load [kg]	Length [mm]	Tilt/ Roll [°]	Swivel [°]
OPTION	ORDER CODE	DETAILS			
NP01UCM	100012432	7	250	25	360
NP02UCM	100012433	7	500	25	360
NP03UCM	100012434	7	750	25	360
NP04UCM	100012435	12	300 - 350	25	360
NP05UCM	100012436	12	500 - 750	25	360
NP70CM	100012901	30	250	25	-

HEIGHT ADJUSTABLE SYSTEMS		Adjustment Type	Height Adjustment [mm]	Weight [kg]	Maximum Load [kg]
OPTION	ORDER CODE	DETAILS			
PJ03WHA	100012976	Motorised	500	39.6	50.0
PJ03WHM	100013024	Mechanical	450	38.0	40.0
NP02HM	100012781	Motorised	675	48.0	50.0
PJ03MHA	100013384	Motorised	500	88.0	50.0

MOUNT COMPATIBILITY		NP02WK	NP03WK	NP04WK	NP05WK	NP05WK
OPTION	ORDER CODE	COMPATIBILITY				
PJ03WHA	100012976	●	●	●	●	●
PJ03WHM	100013024	●	●	●	●	●
NP02HM	100012781	●	●	●	●	-
PJ03MHA	100013384	●	●	●	●	●
NP01Wi1	60003314	●	●	●	●	-
NP01Wi2	60003315	●	●	●	●	-
NP02Wi	100013065	●	●	●	●	●
NP03Wi	100013602	●	●	●	●	●

WALL MOUNT FEATURES		Height Adjustment [mm]	Weight [kg]
OPTION	ORDER CODE	DETAILS	
PJ03WHA	100012976	450	39.6
PJ03WHM	100013024	500	38
NP02WK	100012810	50	7.2
NP03WK	100012864	50	10.5
NP05WK	100013622	600	13.7

* Whiteboard not included

SOFTWARE

NEC DISPLAYNOTE

Next Generation Interactive Learning

DisplayNote, NEC Edition, is the latest interactive whiteboard tablet solution, which combines advanced collaboration tools with the market leading utilities available with NEC Projectors and Large Format Displays to create the ideal collective presentation solution for learning establishments.

Users can present, share and collaborate ideas and presentations across all major platforms (Windows, Android, Apple, Linux and iOS) and any connected device, such as an iPad, Android tablet, smartphone, netbook or laptop.

For more detailed information please visit: **www.displaynote-nec.com**

NAVISET ADMINISTRATOR 2

All-in-one support system for NEC Desktops, Projectors and Large Format Displays

NaViSet Administrator 2 is an all-in-one remote support solution that manages the majority of NEC display devices and Windows computers. It is ideal for multidevice installations over larger infrastructures, for example in the corporate/large businesses, transportation, energy and utility, leisure and museum, finance, retail industries.

The NaViSet Administrator 2 software is designed to run from a central location and provides monitoring, asset management and control functionality of remote displays via LAN or serial connections.

For more detailed information please visit: **www.nec-display-solutions.com/naviset**

VUKUNET

The Engine that Powers the DOOH Industry

VUKUNET is an internet-based AdServing platform that connects all DOOH media networks in order to simplify planning, buying and the delivery of an advertising campaign. Developed by NEC it forms part of a market leading suite of digital signage products and services.

VUKUNET turns any internet connected screen into an advertising face which can generate incremental revenue for screen owner.

For more detailed information please visit: **www.vukunet-nec.com**

HIPERWALL VIDEOWALL SOLUTION

Videowall Content and Source Management Software

Hiperwall is an ultra high resolution software package for an endless number of displays which is scalable in size and eliminates costly servers, matrix switches and distributors.

It enables customers to connect an infinite number of sources to a videowall and freely determine size and position of this content.

Hiperwall also provides advanced capabilities like zoom, rotation, shading and transparency, enabling users to examine content with increased flexibility and effectiveness.

NEC LEAFENGINE

Context Aware Digital Signage with leafengine

The leafengine middleware transforms digital signage installations into interactive experiences, reacting to the visitor's input, customizing the content and gathering the rich market data all these processes generate.

Such a goal typically required selecting, integrating and maintaining an ever-changing, ever-updating number sensors into the player software.

The leafengine, on the other hand, is designed to overcome this complexity and enable access to a broad catalogue of sensors, including gender and age classification, proximity detection, NFC , QR-Codes, touch and many other

For more detailed information please visit: **www.leafengine.com**

MULTITOUCH PACK

Touch Content Management System

MultiTouch Pack is a Touch Content Management software that changes touch displays into real platforms for communicating with students, employees or customers, offering a complete interactive solution in combination with NEC Touch Displays and OPS-based Slot-in PCs.

Licenses only apply to the Windows-based Desktop Software of MultiTouch Pack – installed on the source PC of a Touch Display, such as the OPS-based Slot-in PC of NEC Display Solutions.

Only one license will unblock unlimited content on an interactive NEC display solution, with content created by students or employees – essentially by anyone able to perform drag and drop.

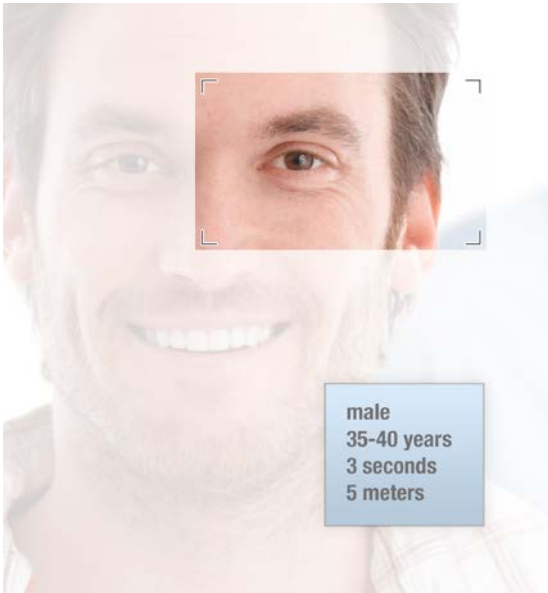
NEC FIELDANALYST

Anonymous Video Analytics (AVA)

FieldAnalyst is a software solution which automatically detects human faces from images captured by video cameras, and estimates the number of visitors and exits, gender and age group, which are digitalized for output in real time.

The software collects and processes this information for marketing analysis or real-time effective advertising using digital signage.

FieldAnalyst enables you to automatically conduct various marketing analysis that have relied on human work until now. The advantages of this NEC solution are speed, accuracy and the ability to integrate into other real-time analysis or reaction based solutions.



NEC ReTrade

Trade in your old projector when you trade-up to NEC

Make your next Projector purchase an NEC and you could trade-in your old projector for cash and take comfort that you are doing your part in preserving resources and creating a sustainable environment.

Further detailed information on the ReTrade programme is available at
www.nec-display-solutions.com/retrade

ReTrade

Return, Refurbish, Reuse - ReTrade

85% of the returned projectors will be refurbished and returned to the market meaning less hazardous substances require disposing off, vastly less material are wasted and less new resources are unnecessarily consumed. Purchases and Trade-Ins are welcomed and virtually any common projector is covered within three month after purchase of the new NEC Projector.

CHECK THE VALUE OF YOUR OLD PROJECTOR NOW!

It's a Simple Process

Visit **www.nec-display-solutions.com/retrade**

- Describe your returned projector
- Receive an instant Trade-In Quotation
- Accept online quotation
- Ship your pre-owned projector using provided shipping label together with a proof of purchase for an NEC Projector
- Receive your payment in the pre-selected form

NEC Green Vision

Green Without Compromise

The NEC Green Vision Campaign is a long-standing initiative by NEC to increase the ecological productivity associated with the use of our products through increased efficiency and to create a more sustainable society by consuming less energy and elimination of harmful materials and unnecessary waste.

We constantly strive to enhance the Ecological characteristics of our products, listed are just some of the green features you may come to expect.

With our 'Green Vision' Environmental Initiative, NEC strive to help to create a sustainable society friendly to humans and our planet.

NeCycle™ which is the brand name of NEC's newly developed bioplastics, indicates a new style of recycling of the material itself as well as a recycling of the CO_2 that is absorbed by the plant component that constitutes the material's main resource.

INTUITIVE ECO MODES
One Click or Auto ECO Modes, help you reduce your projector or display power use when it is not needed, allowing optimum brightness and maximum energy efficiency at all times.

AV MUTE
Save 75% Lamp Power by simply sliding the projector cover across. When you slide it back the image instantly reappears.

HUMAN AND AMBIENT LIGHT SENSORS
The Human Sensor ensures your display is only working when you are, as it detects your presence at the desk, ambient light and luminance sensors also make intelligent adjustments to your displayed image to help to save power.

For more detailed information please visit:
www.green-vision-nec.com

NEC Serviceplus

A COMMITMENT TO QUALITY

NEC have built a world-renowned reputation developing Display Solutions that offer the ultimate in quality, performance and longevity. We have become recognised for professional performance and our product philosophy has enabled NEC to become a leading name in the Finance, Transportation, Colour, Corporate, Healthcare, Retail, Education and Cinema sectors.

NEC **serviceplus** takes that philosophy further for the entire sales cycle from pre-sales through to the replacement phase. We take the guessing out of installing and managing a Display Solution inventory over a standard or extended lifecycle. Our customers can concentrate on their business activities, confident that their IT infrastructure is underwritten by the **serviceplus** promise.

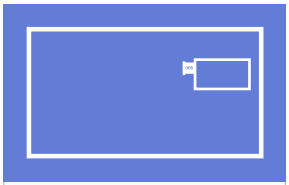
serviceplus

The Serviceplus Offering

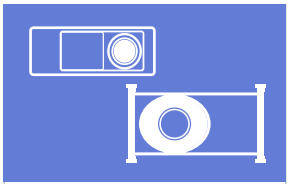
- 5 years warranty
- Ad hoc warranty extension
- 24/7 for selected displays and projectors
- De-/Re-install service

WHAT DOES SERVICEPLUS COVER?

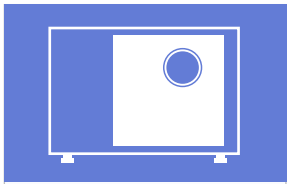
DESKTOP DISPLAYS
- Commercial
- Professional
- Specialist



LARGE FORMAT
- Professional
- Specialist
- Videowalls and Options



PROJECTORS
- Value and Mobile
- Multi-Purpose
- Installation and HLO



DIGITAL CINEMA
- Compact
- High End DC

For more detailed information please visit: **www.nec-display-solutions.com /** Choose support

GLOSSARY

BEHIND THE TECHNOLOGY

The NEC REFERENCE designation is awarded to our products and solutions which through their performance and benefits we consider to be the market benchmark for our customers. The logo is a tangible reminder of our high quality, performance-driven Japanese heritage, our focus on award-winning design flair and our passion for state of the art leadership in innovation and meeting the demands of our customers in the most challenging applications.

Our Reference Displays and Projectors are trusted across the world in Airports, Hospitals, Arenas and Cinemas, Corporates and Institutions, where performance is critical.

REFERENCE

ECO INNOVATION	This logo is used to indicate that a product or series of products has ECO innovations that help to reduce the energy use associated with the product and/ or offers greater productivity from the same resource.
	The NEC Green Vision logo, representing NEC's mission to help to create a sustainable society.
NeCycle	NeCycle™, which is the brand name of NEC's newly developed bioplastics, indicates a new style of recycling: a recycling of the material itself as well as a recycling of the CO_2 that is absorbed by the plant component that constitutes the material's main resource.
3D	Selected NEC Projectors and Digital Cinema Products are able to reproduce content in Stereoscopic 3D. The 3D NEC logo is an indication that a product can playback 3D media. For further information please visit our website www.3d-nec.com
LED LED Projector Series	LED Projectors generate their image in a more efficient way than conventional LCD or DLP projection. They are able to operate at considerably lower power consumption and within a smaller chassis. This logo is displayed for LED Projectors only.
LED LED Backlit LCD	LED Backlighting is integrated into some of our Desktop and Large Format Displays as either Direct LED Backlighting or Edge LED Backlighting. This Logo is used to indicate LED backlit displays that operate at lower power and in a smaller chassis.

GB-R LED	GB-R LED backlighting offers mercury-free and low energy rear illumination in LCD monitors, but with the full AdobeRGB colour gamut performance.
EDU EDU SOLUTIONS	NEC specialise in creating solutions and better value options for the Education Sector. This logo indicates where such special solutions or promotions including extended warranties are available for Education customers. More information is available at www.education-nec.com
3 YEARS WARRANTY	Subject to our terms of use, the standard warranty on NEC display products unless stated otherwise is 3 years return, to manufacturer. For specific terms please request a copy of our warranty terms and conditions.
6 MONTHS FOR LAMP	Subject to our terms of use, the standard warranty on NEC projector lamps unless stated otherwise is 6 months, return to manufacturer. For specific terms please request a copy of our warranty terms and conditions.
5 YEARS OPTION	Subject to our terms of use, a warranty extension from 3 years to 5 years return to manufacturer will be available on displays marked with this logo. For specific terms please request a copy of our warranty terms and conditions.
0 PIXEL DEFECT	Subject to our terms of use, where this logo is shown, Displays that have a complete pixel failure within the first 6 months of use will be repaired or exchanged under warranty.
iF product design award 2011	Established in 1953, the iF product design award is today among the most important awards for innovative product design.

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